IN THE UNITED STATES DISTRICT COURT FOR THE DISTRICT OF DELAWARE

QUANTUM TECHNOLOGY	:	
INNOVATIONS, LLC,	:	
Plaintiff,	: :	
V.	•	Case No.
CURIOSITYSTREAM INC. a/k/a	:	
CURIOSITYSTREAM OPERATING INC.	:	JURY TRIAL DEMANDED
a/k/a CURIOSITY, INC., LEARN25, INC.,	:	
and ONE DAY UNIVERSITY a/k/a	:	
CURIOSITY, INC.,	:	
	:	
Defendants.	:	

COMPLAINT FOR PATENT INFRINGEMENT

Plaintiff, Quantum Technology Innovations, LLC (hereinafter, "QTI" or "Plaintiff"), by and through its undersigned counsel, hereby respectfully files this Complaint for Patent Infringement against Defendants, CuriosityStream Inc. a/k/a CuriosityStream Operating Inc. a/k/a Curiosity, Inc., Learn25, Inc., and One Day University a/k/a Curiosity, Inc. (hereinafter, "CSI" or "Defendants"), as follows:

PARTIES

1. Plaintiff Quantum Technology Innovations, LLC is a private limited liability company incorporated under the laws of the State of Wyoming.

2. Upon information and belief, Defendant CuriosityStream Inc. a/k/a CuriosityStream Operating Inc. a/k/a Curiosity, Inc. is a corporation organized and existing under the laws of the State of Delaware, with a principal place of business at 8484 Georgia Avenue, Suite 700, Silver Spring, Maryland 20910, and can be served via its registered agent, The Corporation Trust Company, Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801, or wherever Defendant CuriosityStream Inc., or its registered agent and its authorized employees,

officers, directors, and/or managers, may be found.

3. Upon information and belief, Defendant Learn25, Inc. is wholly-owned subsidiary of Defendant CuriosityStream Inc., with a principal place of business at 8484 Georgia Avenue, Suite 700, Silver Spring, Maryland 20910, and can be served via the registered agent of Defendant CuriosityStream Inc., The Corporation Trust Company, Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801, or wherever Defendant Learn 25, Inc., or its registered agent and its authorized employees, officers, directors, and/or managers, may be found.

4. Upon information and belief, Defendant One Day University a/k/a Curiosity, Inc. is wholly-owned subsidiary of Defendant CuriosityStream Inc., with a principal place of business at 8484 Georgia Avenue, Suite 700, Silver Spring, Maryland 20910, and can be served via the registered agent of Defendant CuriosityStream Inc., The Corporation Trust Company, Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801, or wherever Defendant One Day University, or its registered agent and its authorized employees, officers, directors, and/or managers, may be found.

NATURE OF THE ACTION

5. This is a civil action for patent infringement to stop CSI's infringement of United States Patent No. 7,650,376 (the "376 Patent" or the "Patent-in-Suit"; attached hereto as Exhibit 1).

6. QTI alleges that CSI has directly infringed and/or continues to infringe the Patent-in-Suit by, *inter alia*, making, using, offering for sale, selling, importing, using (including in connection with internal uses and/or demonstrations), including in connection with providing the infringing products and instructions/specifications for their use, including as detailed herein.

7. CSI has had actual and/or constructive notice of the infringements alleged herein, including as detailed herein.

8. QTI seeks damages and other relief for CSI's infringement of the Patent-in-Suit,

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including as detailed herein.

JURISDICTION AND VENUE

9. This action arises under the Patent Laws of the United States, 35 U.S.C. § 1, *et seq.*, including 35 U.S.C. §§ 271, 281, 283, 284, and 285. This Court has subject matter jurisdiction over this case for patent infringement, including under 28 U.S.C. §§ 1331 and 1338(a).

10. This Court has personal jurisdiction over CSI, including because CSI is a Delaware corporation with a foreign registration in the State of Delaware; CSI has places of business in the State of Delaware, including the address noted hereinabove; CSI has minimum contacts within the State of Delaware; CSI has purposefully availed itself of the privileges of conducting business in the State of Delaware; CSI regularly conducts business within the State of Delaware; and Plaintiff's cause of action arises directly from CSI's business contacts and other activities in the State of Delaware, including at least by virtue of CSI's infringing methods, systems, apparatuses, products, and/or services, which have been, and are currently, at least practiced, made, and/or used in the State of Delaware. More specifically, CSI directly and/or through intermediaries, at least makes, distributes, imports, offers for sale, sells, advertises, and/or uses, the accused products and/or services identified herein, comprising the claimed systems and/or that practice the claimed methods of the Patent-in-Suit in the State of Delaware. CSI is subject to this Court's specific and general personal jurisdiction, including pursuant to Constitutional Due Process and the Delaware Long Arm Statute. CSI is subject to this Court's general personal jurisdiction due at least to CSI's continuous and systematic business contacts in Delaware, including related to operations conducted in Delaware and the infringements alleged herein. Further, on information and belief, CSI is subject to this Court's specific personal jurisdiction, including because CSI has committed patent infringement in the State of Delaware, including as detailed herein. Further, on information and belief, CSI regularly conducts and/or solicits business, engages in other persistent courses of

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conduct, and/or derives substantial revenue from goods and/or services provided to persons and/or entities in Delaware, including because CSI solicits customers in the State of Delaware, CSI has paying customers who are residents of the State of Delaware and who purchase and/or use CSI's infringing products and/or services in the State of Delaware and throughout the U.S., and CSI has an interactive website and/or applications that are accessible from the State of Delaware and throughout the U.S.

11. Venue is proper in this District, including pursuant to 28 U.S.C. §§ 1391 and 1400(b), including because CSI resides in the State of Delaware at least by virtue of the fact that it is incorporated in the State of Delaware and at least some of the direct infringement of the Patent-in-Suit occurs in this District.

THE PATENT-IN-SUIT

12. Plaintiff refers to and incorporates the allegations in the above paragraphs as if set forth fully herein.

13. QTI is the owner of all right, title, and interest in the Patent-in-Suit, including the right to sue for past, present, and future infringement thereof and to collect damages for any such past, present, or future infringement. The inventions disclosed and claimed in the '376 Patent comprising, *inter alia*, distribution of media content via a decentralized computer network, provide numerous benefits over any prior methods, systems, apparatuses, and/or computer-readable media.

A. Overview Of The '376 Patent

14. Plaintiff refers to and incorporates the allegations in the above paragraphs as if set forth fully herein.

15. The '376 Patent is entitled "Content Distribution System for Distributing Content Over a Network, with Particular Applicability to Distributing High-Bandwidth Content." U.S. Patent Application No. 09/774,700, filed on November 20, 2000, and which issued on January 19, 2010

as U.S. Patent No. 7,650,376, claims priority to U.S. Provisional Patent Application No. 60/192,165 filed on March 27, 2000.

1. Overview of the Prosecution of the '376 Patent

16. Plaintiff refers to and incorporates the allegations in the above paragraphs as if set forth fully herein.

17. During prosecution of the '376 Patent, on December 2, 2005, the patent examiner issued a Non-Final Rejection, rejecting then-pending claims 1-20, 22-25, 27-33, and 35-123 under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 5,956,716 to Kenner et al. (*"Kenner"*) and rejecting then-pending claims 21, 26, and 34 under 35 U.S.C. § 103(a) as being obvious in view of *Kenner*.

18. On March 2, 2006, the applicant amended the claims and argued that the cited *Kenner* reference did not render the claims, as amended, unpatentable.

19. With regard to the rejections under 35 U.S.C. §§ 102(e) and 103(a), the applicant noted in its response to the patent examiner's rejection that conventional *Kenner* did not teach, suggest, nor render obvious "…communicating to a client the identity of a node server having…specified content stored thereon, thereby enabling the client to request transmission of the specified content from the node server,' as recited in Claim 1." The applicant further noted that conventional *Kenner* did not teach, suggest, nor render obvious that "an owner of the node server [is] offered an incentive as compensation for transmission of the specified content to the client, as recited in Claim 1."

20. On June 1, 2006, the examiner issued a Final Rejection maintaining the rejection of thenpending claims 1-20, 22-25, 27-33, and 35-123 under 35 U.S.C. § 102(e) as being anticipated by *Kenner* and then-pending claims 21, 26, and 34 under 35 U.S.C. § 103(a) as being obvious in view of *Kenner*. 21. On December 1, 2006, the applicant filed a request for continued examination ("RCE"). As part of the RCE filing, the applicant, without amending the claims, reiterated the previous arguments that the cited *Kenner* reference did not render the claims, as previously amended, unpatentable. At the same time, the applicant added additional claims 124-127.

22. In regard to the rejections under 35 U.S.C. §§ 102(e) and 103(a), the applicant noted in its response to the patent examiner's rejection that conventional *Kenner* neither teaches, suggests, nor renders obvious "ascertaining that [a] node server transmitted...specific content to [a] client,' as recited in Claim 1." Further, the applicant specifically noted that the examiner failed to address the specific highlighted differences the applicant noted between the claimed invention and *Kenner*.

23. On February 23, 2007, the examiner issued a Non-Final Rejection maintaining the rejection of then-pending claims 1-20, 22-25, 27-33, and 35-127 under 35 U.S.C. § 102(e) as being anticipated by *Kenner* and then-pending claims 21, 26, and 34 under 35 U.S.C. § 103(a) as being obvious in view of *Kenner*.

24. On August 23, 2007, the applicant filed a response and, without amending the claims, reiterated the previous arguments that the cited *Kenner* reference did not render the claims, as previously amended, unpatentable. The applicant, again, specifically noted that the examiner failed to address the specific highlighted differences the applicant noted between the claimed invention and *Kenner*.

25. On April 25, 2008, the examiner issued a Non-Final Rejection, now rejecting all of thenpending claims 1-127 under 35 U.S.C. § 103(a) as being obvious in view of *Kenner* and U.S. Patent No. 5,956,716 ("*Guenthner*").

26. On August 25, 2008, the applicant filed a response and, without amending the claims, argued that the cited combination of *Kenner* and *Guenthner* did not render the claims unpatentable, nor would it be obvious to combine these references.

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27. With regard to the rejection under 35 U.S.C. § 103(a), in addition to reiterating the applicant's prior arguments relating to conventional *Kenner*, the applicant noted that neither conventional *Kenner*, nor conventional *Guenthner*, alone, or in combination teach, suggest, nor render obvious "communicating to [a] client the identity of a node server having...specified content stored thereon,' as recited in Claim 1. The applicant further noted that "any teaching, whether by *Guenthner* et al. or anyone else, regarding [this limitation], would be of no use and incompatible with the invention taught by *Kenner* et al., and thus it would not be obvious to combine such teaching with the teaching of *Kenner* at al. to produce an invention as recited in Claim 1."

28. On February 4, 2009, the examiner issued a Final Rejection, rejecting then-pending claims 35-38, 40-55, 57-76, 95-111, 113-120, 122-123, and 125-127 under 35 U.S.C. § 103(a) as being obvious in view of *Kenner* and *Guenthner*, and rejected claims 39, 56, and 112 as being dependent upon rejected base claims. The examiner allowed then-pending claims 1-34, 77-94, 121, and 124.

29. On March 2, 2009, the applicant filed a response, canceling then-pending claims 35-38, 40-55, 57-76, 95-98, 100-111, 113-120, 122-123, and 125-127, amending claims 39, 56, 99, and 112, and adding additional claims 128-192, and argued that the then-pending claims, as amended and added, were not unpatentable in view of *Kenner* and *Guenthner*.

30. On March 17, 2009, the examiner issued a Non-Final rejection, rejecting then-pending claims 128-160 under 35 U.S.C. § 112, ¶ 1, as containing subject matter not properly described in the specification and rejecting then-pending claims 1-34, 39, 56, 124, and 128-160 under 35 U.S.C. § 112, ¶ 2, as being indefinite. In this Non-Final rejection, the examiner also rejected then-pending claims 1-34, 39, 56, 121, 124, and 128-192 under 35 U.S.C. § 101 as being directed to non-statutory subject matter.

31. On June 17, 2009, the applicant amended the claims and argued that the claims, as amended, overcome the rejections under 35 U.S.C. §§ 101 and 112, $\P\P$ 1 & 2.

32. In regard to the rejections under 35 U.S.C. § 101, the applicant noted in its response to the patent examiner's rejection that the rejected claims were amended "to make clearer that [those claims] recite apparatus (that includes a core server and can further include a node server and/or client) and therefor recite statutory subject matter.

33. In regard to the rejections under 35 U.S.C. § 112, ¶ 1, the applicant noted in its response to the patent examiner's rejection that "the description throughout [the] specification of the functions performed by the receiver and transmitter recited in [the] claims...inherently disclose [those features] and, consequently, the receiver and transmitter recited in [those claims] meet the requirements of the first paragraph of 35 U.S.C. § 112. In regard to the rejections under 35 U.S.C. § 112, ¶ 2, the applicant noted in its response to the patent examiner's rejection that the claims were amended "to make clearer that [the claims] recite apparatus: those claims now include recitations that the apparatus include a core server and can further include a node server and/or client."

34. On August 24, 2009, the patent examiner issued a notice of allowance.

2. Overview of the Unconventional '376 Patented Inventions and the Conventional Technology at the Time

35. Plaintiff refers to and incorporates the allegations in the above paragraphs as if set forth fully herein.

36. At the time of the '376 inventions reflected in the issued claims (the "patented inventions"), the main method of video content distribution was through the television. Distribution of video content online was very limited and suffered from many issues, including limitations due to bandwidth and feature set. '376/1:57-66. In either of the television or online distribution systems, the content was provided via a broadcast model wherein the content provider

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would transmit the content to any user or client that was connected to the content provider. In the conventional television broadcast model, any content was only required to be sent a single time, and all clients (*e.g.*, receivers) would receive the content at the same time. However, where the clients interacted in a staggered fashion (*i.e.*, connected at differing times to request the same content), the asynchronous nature of such content delivery reduces the content provider's ability to consistently operate within its resource limits. The best method of providing an asynchronous or on-demand viewing experience at the time was through video tapes (*e.g.*, VHS), CDs, and/or DVDs.

37. Notably, distribution of content online differed from television distribution in this way, including that the number of users or clients connecting to the content provider could vary much more quickly, including that the times the users or clients may connect were not limited to the specific times that content was set to be provisioned as in the television systems. An example of conventional architecture, where a user or client connected to the content provider, is exemplified in the figures of U.S. Patent No. 6,505,240 to Blumenau ("*Blumenau*") cited in the specification of the '376 Patent:

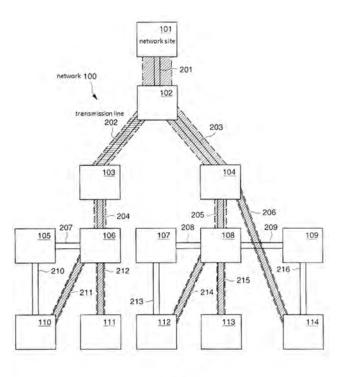


FIG.2

Blumenau at Fig. 2; see also Blumenau at Figs. 1 & 3; 4:31-6:57.

38. Provision of content over a network, including provision of video content to multiple clients, if done at all, was typically a slow, arduous, and unpredictable process which could be cumbersome and time consuming, if at all possible, including because each client that connected to the content provider resulted in additional bandwidth usage as the full content of the web site, including any high-bandwidth content (*e.g.*, video content, 3D images, etc.), was transferred at the time the client first connected. '376/3:65-4:2 & 4:13-20. Neither the content provider nor the client could choose the time the content was transferred other than by choosing when the client connected to the content provider. Further, neither the content provider, nor the client, could choose specific content to be transferred, but, rather, all of the content on the web site was transferred upon the client connecting to the content provider. Including because of the foregoing, it was particularly difficult for content providers to manage the provision of content to large numbers of clients or the provision of multiple pieces of video content. Moreover, it was especially difficult, if not

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impossible, for content providers to manage the provision of multiple pieces of video content to large numbers of clients. In some situations, such as accessing websites between countries, these limitations simply made provisioning high-bandwidth content impossible.

39. In such cases, the content provider would be limited by the resources available to it, including, *inter alia*, the bandwidth of the network between the content provider and client and the hardware and software of the content provider's server that is managing the provisioning of content. '376/1:57-66; 3:65-4:2; & 4:13-20. Further, as the data size of the content increased, these limitations would become limiting, resulting in exponential degradations in, *inter alia*, transfer speeds and increasing the likelihood of the content provider's hardware and/or software crashing or otherwise ceasing to transfer data to any number of clients. '376/1:57-66; 3:65-4:2; & 4:13-20. Thus, content providers were required to limit the number of videos, and/or the data size of each video, in order to operate within these limitations and attempt to ensure reliability of the transfers to clients and scalability of systems. '376/1:57-66.

40. Generally, conventional video content distribution systems were developed as similar broadcast models based on the television distribution systems, including seeking to distribute advertisements as interstitial breaks in online video content. However, while systems existed which permitted the provision of content over a network, those systems were limited by the bandwidth available to the networks used. '376/1:28-29. Specifically, where the content being transmitted was high-bandwidth content (*i.e.*, content requiring large data transmission rates relative to the network bandwidth capabilities), these systems struggled to provide consistent user-experiences, if at all. '376/1:28-2:4. One such type of high-bandwidth content was, and continues to be, video content. '376/1:30-39. Video content is typically data intensive, and higher quality videos comprise more data and, thus, require more bandwidth. '376/1:57-59.

41. At the time of the '376 patented inventions, provision of video content was very limited,

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and existing systems were unable to deliver full video streams to large audiences. '376/1:59-63. Rather, in conventional systems, any video content delivered was limited to very low resolutions, very short length clips, and very low frame rates in order to reduce the data requirements of the video so that the bandwidth limitations could be met. '376/1:63-2:2. Further, even where conventional systems were able to provide these reduced data size videos, the delivery of these videos was not customizable to, or selectable by, the user. '376/2:2-4. Instead, the videos were made a static part of the web site to be transmitted to every user or client that accessed the web site, and neither the time of delivery nor content delivered could be altered. '376/2:2-4.

42. At the time of the '376 patented inventions, the most common, conventional, and practical way to provision content to multiple clients was simply to reduce the amount of content to provision by limiting what is shown on a single page, including by creating hierarchies of links to section off content into multiple areas, requiring users to cumbersomely navigate the content provider's web site, often resulting in having to wait for web pages to reload again and again as they browsed through the link hierarchy. Further, at the time of the '376 patented inventions, the most common, conventional, and practical way for clients to choose when any content was transferred was to either specifically time when they connected to the content provider or to determine a way to copy the content to the client device for viewing later - the latter often involving its own issues such as copyright infringement or broken content due to the way the web site was programmed and was often limited by the resources of the client devices, which typically included much less storage space than the servers of content providers. At best, conventional systems would only distribute portions of the video while the connection was reliable, which were almost always unviewable without the remaining portion of the video. The claimed inventions of the '376 Patent improve the functionality, efficiency, and reliability of network content distribution systems as described herein, including by eliminating the need for the content provider to heavily

invest in infrastructure, hardware, software, and/or other resources, including by providing for the use of a distributed system of third-party-owned node servers, including as described in the '376 Patent.

43. The "SUMMARY" section of the '376 Patent states, in part, as follows:

In accordance with the invention, the distribution of content (in particular, data intensive content such as video content) by a content provider over a network (*e.g.*, a computer network such as the Internet, a television network) is facilitated by making use of network site(s) throughout the network to dispense some part or all of the content on behalf of the content provider to network site(s) that desire to receive the content. In particular, the invention can be used to facilitate the distribution of content over a network by recruiting network site(s) to act as volunteer server(s) for dispensing content on behalf of the content provider. The invention can be used, for example, to facilitate the distribution of a single set of high-bandwidth content, *e.g.*, facilitate distribution of video content over the Internet. The invention can also be used, for example, to facilitate the distribution of multiple sets of content at the same time, *e.g.*, facilitate distribution of customized content to different content users.

·376/2:8-24.

44. The '376 claimed inventions have advantages over conventional systems and methods, including that they allow multiple pieces of content to be distributed to numerous client devices asynchronously and/or on-demand, including via the use of a distributed system of devices containing the specified content. '376/3:23-4:33. In some embodiments, this includes the use of distributed node servers owned by third parties separate from the owner of the core server (*i.e.*, the content provider) such that the node servers are more closely located to client devices. '376/3:23-4:33. To the contrary, conventional systems were operated under the assumption that a pure server-client system was feasible. However, as noted herein, these systems failed to scale with larger numbers of clients, especially when delivering high-bandwidth content. An updated infrastructure and architecture was needed, and the '376 patented invention provides such systems and methods which solve these problems.

45. Including as of the priority date of the Patent-in-Suit, there have been various, albeit

vastly inferior, means outside of the claimed invention for achieving the ends of provisioning of high-bandwidth content over a network, including on the Internet. Including as noted herein, at the time of the '376 patented inventions, conventional approaches to delivering content in a scalable and reliable way to multiple clients were limited. Conventional approaches sought to solve the ongoing problem of limited resources, including bandwidth and hardware and/or software, which limited a content provider's ability to provide high-bandwidth content, including video content at longer lengths, higher frame rates, and/or higher resolutions, and provide content asynchronously and/or on-demand to large numbers of client devices. '376/1:28-2:4. These approaches included local clustering of servers in a single location; deploying clusters in a few locations and synching or mirroring the clusters; and/or using multiple internet service providers ("ISPs") to connect to the Internet (referred to as "multihoming"). '376/1:40-56. While each of these approaches address some parts of the noted limitations, they also introduce additional limitations, including additional requirements in order to provide necessary excess capacity.

46. The use of clustering required the content provider pre-determine the amount of traffic it would expect and provide a sufficient number of servers to handle that load (which can be an order of magnitude above average loads). Further, the average bandwidth required to handle a traffic load is typically not an amount close to the maximum bandwidth that would be required at any given time. This, in turn, required heavy investment by the content provider as the amount or scale of the servers increases, meaning the content provider was required to pay for additional hardware and/or software as well as the maintenance costs therefor. Notably, at the time, the convention was not to have idle bandwidth available because the enormous expense of bandwidth meant such idle bandwidth was money wasted.

47. Where clusters were used with mirroring, not only are these same issues present, but additional issues of maintaining a reliable mirror so that each cluster is identical become

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exponentially apparent. In other words, to provide a consistent web experience to users, the content provider was required to constantly monitor the remote clusters to ensure any changes made at the main server were properly and reliably propagated. Additionally, even with the use of remote, mirrored clusters, each of these clusters would still be required to be able to handle the full expected traffic load.

48. For the multihoming approach, while this would potentially increase bandwidth available by providing more physical links between the content provider and client devices, there was no guarantee which of the links was used nor that, if any of the links, or connections thereon, became overwhelmed, clients would be redirected to a different, less congested link, if at all. Regardless of the amount of links, any given connection between the content provider and a client device would still be subject to limitations of that specific connection. As a result, although the content provider may have multiple links, each link, and each connection thereon, would still need to be able to carry the entire expected traffic load.

49. Thus, in each of these approaches, the content provider would be subjected to a considerable cost, which was often over double the average initial infrastructure expense and ongoing operation costs. These approaches also required the content provider to make wild predictions about its initial and future traffic in order to properly scale. As a result, only the larger content providers were able to even attempt to implement these approaches, meaning the vast majority of content providers simply did not do so.

50. A distributed, scalable third-party-owned node server-based systems, including the inventions described in the '376 Patent, avoids and/or addresses these issues by providing a means for the content provider to distribute and scale its system. The content provider's system is distributed by using already-existing servers owned by third parties which could be incentivized to permit the content provider to employ these third parties' resources (*e.g.*, network bandwidth

and server hardware and/or software) for less cost, while offloading the investment and maintenance costs to those third parties. '376/7:12-34; 10:17-53; 11:1-19; 14:61-15:9; & 22:13-20. The content provider's system is scalable via the ability to easily add additional incentivized node servers to the network to aid in distributing the content, including that each client that has obtained specified content may then be used as an additional node server for provision of that same content to additional clients. '376/19:66-20:63.

51. Prior art methods for provisioning content over the Internet were likewise inferior. Including as noted herein, back at the time of claimed inventions, distribution of content over networks, including the Internet, were almost entirely via a pure server-client architecture with the central or "core" server handling all communications with any client devices, including as exemplified by the *Kenner* patent and ancillary prior art addressed extensively during prosecution of the '376 Patent. As noted by the inventor during prosecution, the client devices of *Kenner* (*i.e.*, user terminal) communicated only with the server (*i.e.*, PIM) and the server never communicated an identity of any other entity (*i.e.*, DSI) so that the client could request the transmission of the specified content from that other entity rather than the server. The claimed inventions improve and build on this, including because, as noted by the inventor during prosecution, the claimed invention comprises an architecture that provides advantages over these prior art systems, including by permitting client devices to be served by node servers with better and/or more available resources and/or that are more closely located to the client. According to the inventor, this architecture results in, *inter alia*, a vastly improved functionality, efficiency, and reliability of content distribution.

52. Further limitations on network and Internet availability existed at the time, where broadband was in its infancy, and certainly not widespread, with the vast majority of Internet connectivity being achieved through slow, unreliable dial-up networking over phone lines, meaning most Internet users were unable to simply leave a device connected without losing the

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availability of a phone line. Thus, the expectations of one's network services being available to a computer at the time were often insufficient to reliably support continuous connectivity and high bandwidth network activity. Similarly, for mobile devices, mobile data and internet connectivity were not as ubiquitous as they are today, and certainly much less able to provide continuous connectivity to permit a user to wait bandwidth to be available. At that time, a user would be motivated to minimize mobile data usage because of high cost and limited bandwidth. Thus, Internet users, both at home and mobile users, sought website that were quick and easy to load and which provided the user with the best desired content without using a lot of bandwidth. As a result, including as noted, it was conventional to provide low data content that was statically delivered from a central core server, including by reducing the quality of content to reduce data size and creating hierarchical links so that specific content could be delivered independent of other content, rather than across a distributed third-party-owned node server architecture. '376/1:57-2:2.

53. As a result, as noted herein, for those conventional systems, which only provided reduced quality content, these resource limitations were less problematic due to the reduced resources necessary to store and deliver the content to client devices. Even for those limited number of conventional systems which employed conventional approaches to addressing these resource limitations, these conventional systems did not fully alleviate the limitations and, in fact, introduced additional limitations which otherwise reduced scalability and reliability of the delivery of content to client devices. Thus, due to these limitations, the convention for the provision of content over networks was, at best, to either cause the data to be so small that it was of poor quality or brute-force the content by throwing costly bandwidth, hardware, and software at the problem. The '376 patented inventions are unconventional in this regard because they went against the conventional method of creating a self-owned ecosystem of bandwidth, hardware, and software to attempt to permit the delivery of high-bandwidth content to multiple clients asynchronously and/or

on-demand, and, instead, provides a method of employing already-existing node servers owned by third-parties which provide specified content to only a subgroup of client devices, thus allowing the core server to act as a traffic director, redirecting client devices to a more local node server with its own bandwidth, hardware, and software used to deliver the content to a client device at the specific time the client device requests the content. '376/4:8-24; 5:39-44; 12:48-54; 13:63-67; 19:23-33; 19:48-65; 21:4-43; & 23:1-24:40.

54. Conventional systems had limited ability, if any, to deliver specified content to client devices asynchronously and/or on-demand. '376/2:2-4; 3:61-4:33. Including as noted herein, the provision of statically available content meant that client devices were simply provisioned all of the content that was on a website upon connecting to the website. This, in turn, meant that, for users to ensure they were able to view the specific content they wanted to view, they would have to wait for the entire website to load to see if that specific content loaded as well. Due to limitations at the time, most content was unviewable until the entirety of the content was received, or, if the portion was viewable, the user was left with only a portion of the content. As a result, the content provider's server would be forced to use the same amount of bandwidth for each client device and for the full amount of time the client device was connected, until the full website was delivered to the client device. Specifically, conventional systems had limited ability, if any, to easily and seamlessly permit client devices to pick and choose what content they were delivered. At best, conventional systems limited the content delivered by requiring users cumbersomely click through a series of links until they reached a webpage that only transferred the specific content they sought. As a result, while this, at least partially, addressed the on-demand nature of content delivery, this necessarily increased the time the client device was required to remain connected and increased the bandwidth and other resource usage of the content provider because the client device was required to access many more webpages, each of which would be required to be delivered to the

client device so that the user could navigate to the proper link.

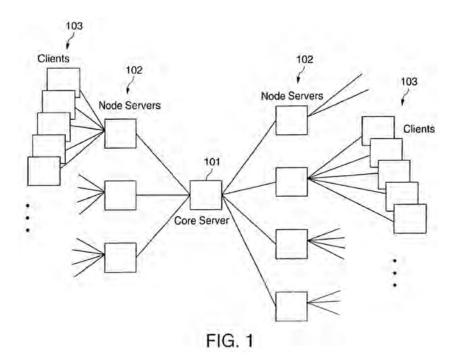
55. With the unreliable Internet of many client devices, conventional systems were cumbersome, burdensome, and hard to use, including because, while a user was waiting for the specified content to be delivered with the entire website, the connection may fail, requiring the user to have to refresh the page and start over. This would, in turn, further unnecessarily increase the bandwidth and other resource usage of the content provider. Similarly, if the content provider's resource limits were reached, the system may crash and/or restart, meaning each of the connected client devices would then attempt to reconnect, and continue crashing the system or, at a minimum, further increase the bandwidth and other resource usage of the content provider. For those systems with hierarchical links, these connectivity issues were, at best, partially alleviated, as the client device was still required to remain connected to the content provider while browsing the link hierarchy and until the specified content was fully delivered.

56. However, by using the network-based methods and systems described in the '376 Patent, these resource limitations could be offloaded onto a number of node servers, increasing both the reliability of the system, as well as the number of concurrent client devices that could connect and access specific content. In this way, the connected time for any individual server and network was reduced, thus reducing the resource usage of that server and network. This is due to the innovative node-server based operation of the '376 patented inventions. '376/Figs. 1 & 2; 3:23-4:33; 5:5-21; 7:12-8:16; 10:17-23; & 13:37-62. System 100 provides an exemplary illustration of the foregoing architecture, including core server 101, node servers 102, and clients 103. '376/Fig. 1; 5:5-21; 7:12-8:16; 10:17-23; & 13:37-62.

57. Among other things, the inventor of the Patent-in-Suit wanted to deliver high-bandwidth content over a network, such as the Internet, in a reliable and scalable way such that any number of client devices would be able to access specified content offered by the content provider while

reducing, or eliminating, issues related to limitations on bandwidth and other resources, including those noted herein. As noted in the specification, "[a]n ongoing problem for content delivery networks is the delivery of high-bandwidth content in a satisfactory manner[, and] delivering full video streams to large audiences (or similar network) so far has been impossible[, where e]xisting systems for delivery of video streams over the Internet suffer from undesirable limitations." '376/1:28-29 & 1:59-63. As further noted in the specification, while some distribution does occur, that content is of low quality, including limited pixel resolutions, short lengths, small frame sizes, and/or low frame rates, and "those Web sites have not delivered customized content (in terms of either the time of delivery—*i.e.*, video on demand—or the actual content delivered." '376/1:63-2:4. Thus, according to the specification, a system was needed "to facilitate the distribution of content over a network" as, *inter alia*, "a single set of high-bandwidth content" or "multiple sets of content at the same time." '376/2:8-24; *see also* '376/3:23-4:33. However, including as noted herein, existing technology offered only unacceptably inferior solutions of provisioning such content to users via the Internet.

58. In one embodiment, the '376 patented inventions comprise core server 101 in communication with each node server 102 and each client 103, all of which are interconnected to form a network via physical (topological) connections, for example, such as the exemplary system shown in Figure 1 of the '376 Patent:



'376/ Fig. 1; *see also* 5:5-21; 7:12-8:16; 10:17-23; 10:38-67; & 13:37-62. Core server 101 comprises a network site that is controlled (at least in part) by an entity (*e.g.*, a content provider) desiring to distribute content to clients 103 for use on the clients 103. '376/3:33-42; 7:12-45. Any or all of these devices may be embodied by any hardware compatible with the network, such as a stationary computer (*e.g.*, desktop, workstation, etc.), portable computers (*e.g.*, laptop, handheld, personal digital assistant, etc.), portable telephone (*e.g.*, cellular phone, etc.), and television. '376/7:14-28; 7:46-8:16; 10:38-67; 13:29-62. Further, core server 101 may comprise a single server or a combination of servers working in tandem, including any combination of hardware, software, and/or firmware. '376/5:17-21; 7:46-67.

59. Core server 101 communicates with node servers 102, wherein node servers 102 comprise network sites that are not part of core server 101 and serve as an "army" enlisted by core server 101 to aid in distributing content to clients 103. '376/10:17-23. Further, node servers 102 may comprise server systems owned by entities other than the content provider, as well as personal computers of individuals or families. '376/10:38-11:38. Node servers 102 may further comprise a hierarchy of primary node servers and secondary node servers, wherein the hierarchy additionally

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assists in distributing the load amongst the clients. '376/12:16-47; 20:15-40. Because the distribution of high-bandwidth content by a content provider would necessarily overwhelm the limited resources of a more centralized server architecture, especially when inundated with communication from a large number of users, the multiple servers set up, including various role-specific sub-servers, would further assist in handling such large amounts of communication, including over the minimal bandwidth at the time. '376/1:49-56; 2:8-24; 3:61-4:33; 10:24-37; 10:54-58; 13:15-36; 18:24-27; 19:19-22.

60. Including as described in the '376 Patent, in order to implement the unconventional architecture of the '376 patented invention, exemplary method 200 is provided, which details the various steps of communications, instructions, and requirements between core server 101, node servers 102, and clients 103. '376/Fig. 2; 5:22-7:11; 23:1-24:40. The steps are performed in a relative order, including as shown in Figure 2 of the '376 Patent.

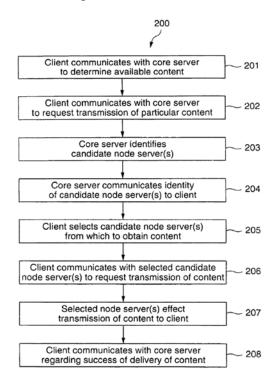


FIG. 2

'376/Fig 2; see also '376/5:22-7:11 & 23:1-24:40.

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61. At step 201, any one of clients 103 communicate with core server 101 to request the identities of any node servers 102 that contain specific content that the user wishes to view, such as a list of movies available. '376/Fig. 2; 5:30-37; 8:47-50; 13:63-14:10; 17:49-52; & 23:1-24:40.

62. At step 202, any of connected clients 103 request content sought by the user. '376/Fig. 2; 5:38-39; & 13:63-14:10; & 23:1-24:40. Additionally, when client 103 requests the specified content, client 103 may also provide information regarding a specific time that client 103 wishes to receive the content. '376/Fig. 2; 5:39-44; 12:48-54; 13:63-67; 19:23-33; 19:48-65; 21:4-43; & 23:1-24:40.

63. At step 203, core server 101 identifies various node servers 102 containing the specified content. '376/Fig. 2; 5:45-51; 9:13-19; 16:58-64; 14:18-25; 17:49-67; & 23:1-24:40. As part of the determination of relevant node servers 102, core server 101 may consider certain aspects of node servers 102, including network topology, available resources, and/or proximity of each potential node server 102 in relation to client 103. '376/Fig. 2; 5:51-64; 16:4-17:38; 18:1-39; & 23:1-24:40. These characteristics may be stored in a database located on core server 101. '376/Fig. 2; 5:51-57; 6:11-14; 9:1-19; 16:4-17:38; & 23:1-24:40. Further, by considering these characteristics of potential node servers 102, certain advantages of the patented invention are apparent, including that delivery of content from node servers 102 more proximately located to client 103 may avoid bottlenecks in the network and reduce the costs of transmitting the content. '376/5:64-6:11; 19:34-47; & 23:1-24:40.

64. At step 204, after determining the identity of viable node servers 102, core server 101 communicates with client 103 to transfer the identity, for example, the network address or IP address, of the chosen node servers 102. '376/Fig. 2; 6:15-18; 7:1-11; 7:49-52; 8:50-57; 14:18-25; 17:50-54; & 23:1-24:40.

65. At step 205, client 103 determines which of the identified node server 102 from which to

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obtain the specified content, including by considering topological and other characteristics of node servers 102. '376/Fig. 2; 6:19-29; 14:18-25; 18:54-20:14; & 23:1-24:40. Notably, this step may be combined with step 204 so that only core server 101 makes the determination and identification of node server 102. '376/7:6-9; 8:60-67; & 23:1-24:40.

66. At step 206, client 103 initiates a connection to selected node server 102 and requests node server 102 begin transmitting the specified content. '376/Fig. 2; 6:30-35; 7:1-11; 14:61-64; 20:64-66; & 23:1-24:40. The request from client 103 may include the identification of the specified content, as well as a specific time client 103 wishes to receive the content, whether immediately or at a future time. '376/Fig. 2; 5:39-44; 6:30-35; 12:48-54; 13:63-67; 19:23-33; 19:48-65; 21:4-43; & 23:1-24:40. Further, if step 204 and step 205 are combined, step 206 may be modified so that core server 101, rather than client 103, contacts node server 102 to instruct node server 102 as to the content sought and any scheduled time. '376/Fig. 2; 7:9-11.

67. At step 207, selected node server 102 begins transmitting the content to client 103 if the user has chosen to have the content received immediately. '376/Fig. 2; 6:36-51; 12:48-54; 21:4-8; 21:23-26; & 23:1-24:40. Otherwise, if the user has chosen to receive the content at a future time, node server 102 delays transmission until both client 103 is connected and the scheduled time occurs. '376/Fig. 2; 6:34-51; 12:64-13:14; 20:64-21:58; & 23:1-24:40. Additionally, in the event node server 102 no longer stores the content at the time the delivery is scheduled, node server 102 may direct client 103 to another known node server 102 that does have the content. '376/Fig. 2; 6:45-51 & 23:1-24:40. Node server 102 may also redirect client 103 if node server 102 determines a more efficient node server 102 exists, such as by considering the noted characteristics above. '376/Fig. 2; 6:45-51; 18:58-65; 19:34-39; 20:27-40; & 23:1-24:40.

68. At step 208, after the scheduled time has passed, client 103 contacts core server 101 to notify core server 101 as to whether client 103 did or did not receive the content as scheduled.

'376/Fig. 2; 6:52-55; 9:19-43; & 23:1-24:40. This may further include information regarding the speed and length of transmission or other characteristics of the transmission, such as bandwidth and/or latency performance. '376/Fig. 2; 6:55-65; 15:17-24; & 23:1-24:40. Alternatively, or in addition, this information may be communicated to core server 101 by node server 102. '376/Fig. 2; 6:65-67; 21:59-22:12; & 23:1-24:40. This information is then used by core server 101 to determine whether the transfer was successful, and, if so, whether the owner of node server 102 is to receive the chosen incentive for a transfer. '376/Fig. 2; 4:34-47; 9:19-43; 10:3-16; 10:54-67; 13:10-14; & 22:13-24:40.

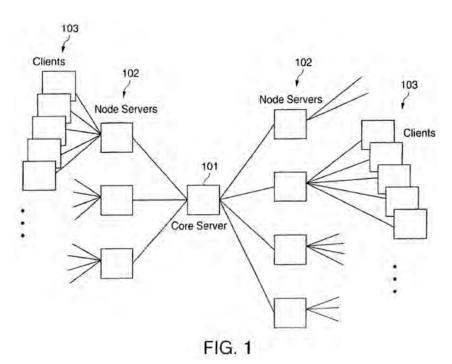
69. The claimed inventions of the '376 Patent have advantages over conventional systems, including, inter alia, that they allow a user to more reliably request and view specified content from the content provider via the use of the distributed node server architecture. '376/Figs. 1 & 2; 3:23-4:33; 5:5-21; 7:12-8:16; 10:17-23; & 13:37-62. Advantageously, by providing node servers 102 as the intermediary between clients 103 and core server 101, node servers 102 act as a carrier of the data from users to the content provider and vice versa. '376/10:17-37. This, in turn, requires the unconventional use of distributed third-party-owned node servers 102, including the managing of information related to the capabilities of each node server 102, the content stored therein and its availability. '376/11:56-13:36. Furthermore, where the network connection between a client 103 and core server 101 is potentially somewhat unreliable and lower bandwidth say over a wireless network, the redirection of client 103 to a more reliable and proximately located node server 102 represents an architectural improvement over conventional, pure server-client systems. In this way, the bandwidth-heavy communications overhead of transmitting high-bandwidth content is performed on a far more reliable network, resulting in much less likelihood a user would get logged off prior to the completed transfer or the connection failing, and, furthermore, a diminished amount of traffic occurs on core server 101, effectively permitting more clients 103 to reliably access

specified content. '376/1:49-56; 2:8-24; 3:61-4:33; 10:24-37; 10:54-58; 13:15-36; 18:24-27; 19:19-22; & 19:66-20:63. Thus, the patented tiered-based server system results in a smoother, more reliable, and better user experience.

70. Including as noted above, the specification of the '376 Patent teaches specifically how the technological improvement of the network content distribution systems and methods of the '376 Patent is achieved. Among other innovations, the inventions are able to provide to means for the content provider's system (for example, core server 101), to communicate with a user's device (for example, client 103) and determine what content the user is requesting (for example, step 202); determine an available third-party server (for example, node server 102) to identify which of these third-party servers contains the content sought by the user (for example, step 203); send said identity of the third-party server to the user's device (for example, step 204) so that the user's device can contact and connect to the best third-party servers identified by the content provider (for example, step 205) and request the specified content (for example, step 206); and communicate with the user's device and chosen third-party servers to determine that the third-party servers transmitted the content to the user's device (for example, step 207) and that the user's device successfully received the content (for example, step 208). Thus, the invention details how the improved network content distribution systems and methods can be realized and how its functionality can be accomplished. The claims of the '376 Patent recite how to implement these improved network content distribution systems and methods. Furthermore, the claims require a non-conventional and non-generic method in order to allow for the system to distribute the specified content via the use of distributed third-party node servers. Thus, the claimed inventions of the '376 Patent describe an application specific order of steps for use in a system that is not a generic or conventional arrangement.

71. These claimed limitations disclose a particular architecture and way in which the

provisioning of specified high-bandwidth content over the Internet can be accomplished from a core server to a client via the use of an intermediary node server which receives an incentive as compensation for storing the content and transmitting the content to any client that requests it, rather than requiring the core server to transfer the content to the client, including the specific way the negotiation and communication between the core server, node servers, and client is accomplished, including to provide a distributed network of third-party-owned node servers providing a more reliable and scalable system and providing a better user experience, including by permitting asynchronous and/or on-demand viewing at the client device – as opposed to using conventional systems and methods to provision content over a network, such as those described in the '376 Patent and herein. An example of such architecture and functionality is as shown in Figure 1 of the '376 Patent:



'376/Fig. 1; see also 5:5-21; 7:12-8:16; 10:17-23; 10:38-67; & 13:37-62.

72. On the other hand, including as noted herein, the convention at the time of the '376 patented inventions was to implement one of the three approaches noted above, each of which simply resulted in additional issues being created. This was due to, at least in part, for example,

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conventional content providers seeking to invest resources in systems which they entirely owned and managed, often looking to the existing television broadcast-based systems or guidance and/or inspiration. Additionally, conventional content providers sought to avoid the hassle of having to depend on third parties to cache copies of content on the third parties' devices. Including as noted, this resulted in users having unreliable access to content and often resulted in the systems of the content providers crashing or otherwise becoming inoperable.

73. Another unconventional and inventive aspect of the claimed inventions of the '376 Patent includes the use of the node servers to deliver content at times other than when the client is connected to the core server. '376/5:38-44; 12:37-13:14; 21:4-43; & 23:1-24:40. In other words, the use of node servers permits client devices to request and view specified content at a time the user selects. '376/5:38-44; 12:37-13:14; 21:4-43; & 23:1-24:40. Thus, advantageously, the client device is given the identity of a node server or node servers which contain the specific content sought by the user, so that the client device need only connect to the node server or servers to retrieve the content, and the core server is only contacted again during the transfer verification step. In this way, the core server usage is reduced, and, as a result, the use of the content provider's resources is likewise reduced.

74. In turn, this use of node servers for selective delivery, *inter alia*, allows asynchronous and/or on-demand distribution of the content, regardless of the status of the content provider's bandwidth usage and availability, resulting in users being able to view the specified content even when the core server is otherwise inoperable or unreachable. At the time of the '376 patented inventions, the convention was, including as noted herein, to provide such asynchronous or on-demand experience via physical media that the user was required to locate, such as VHS, CDs, and/or DVDs.

28

B. The Claims Of The '376 Patent Are Directed To Patentable Subject Matter

75. Plaintiff refers to and incorporates the allegations in the above paragraphs as if set forth fully herein.

76. Including as set forth herein, the claims of the '376 Patent are directed to patentable subject matter. The claims of the Patent-in-Suit, including the asserted claims, when viewed as a whole, including as an ordered combination, are not merely the recitation of well-understood, routine, or conventional technologies or components. The claimed inventions were not well-known, routine, or conventional at the time of the invention, over ten years ago, and represent specific improvements over the prior art and prior existing systems and methods.

1. The '376 Patent is not Directed to an Abstract Idea

77. The claims of the '376 Patent neither describe nor claim a concept nor a generic method or computerized system. Instead, the '376 claims address, among other things, a persistent problem with systems for provisioning content over a network at the time of the invention at the time of the invention whereby delivery of content, including high-bandwidth content, to large numbers of client devices asynchronously and/or on-demand in a scalable and reliable manner was unavailable and/or impossible (for example, bandwidth and resource limitations made the ability of a content provider to deliver high-bandwidth content); impractical (for example, requiring content providers to guess traffic loads and requiring large initial investment to meet these loads and/or requiring client devices remain connected for lengthy periods of time using unreliable connections); cumbersome (for example, requiring users browse clunky, confusing hierarchical link systems to find specific content they wish to view); and/or prone to errors (for example, the limited resources made it difficult to deliver content to large numbers of client devices without resulting in system crashes or other errors upon reaching said limits). The '376 patented inventions enable a substantial improvement in content delivery systems, including their functionality and utility.

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78. Prior to the '376 patented inventions, content that was delivered was typically of low quality in order to reduce data size and, thus, reduce usage of limited bandwidth and other resources. '376/1:61-2:2. Such reduced quality video provided a poor user experience, as many videos were very short, low resolution, and/or low frame rate, often resulting in a blurry, unwatchable short clip. '376/1:61-2:2. Additionally, and as described herein, this reduced quality content was statically provided, meaning the content was delivered to the client device regardless of whether the user wished to view the content, meaning resources were unnecessarily used in the transfer. '376/2:2-4; 4:13-27.

79. Prior to the claimed inventions, conventional systems required substantial resources on the server side of the content provider in order to operate reliably. Further, including as noted herein, the convention at the time was to use only a system wholly owned, distributed, and maintained by the content provider comprising, at best, fully-mirrored server clusters distributed remotely from the central server due to not only limited computing (e.g., memory and processing power) and network (e.g., bandwidth) resources, but also because, as noted above, one could not be certain that any specific website would contain the specific content sought by the user. Thus, attempts to meet resource requirements meant heavy investment in computing power and bandwidth, each of which was a very expensive proposition at the time. It was far less expensive resource-wise to handle the amount of communications and meet bandwidth requirements by use of distributed servers, especially where those servers were owned by third parties and required the content provider only pay when transfers actually occurred. The specific claimed inventions of the ³⁷⁶ Patent disclose unconventional systems and methods which solve these limitations, including, without limitation, by providing a centralized core server owned by the content provider capable of handling all inbound and outbound connections from client devices requesting content and redirecting them to remotely-located third-party-owned node servers required to be capable of handling only a subset of all inbound and outbound client device connections.

80. These claimed limitations disclose a particular architecture and way in which the provisioning of specified high-bandwidth content over the Internet can be accomplished from a core server to a client via the use of an intermediary node server which receives an incentive as compensation for storing the content and transmitting the content to any client that requests it, rather than requiring the core server to transfer the content to the client, including the specific way the negotiation and communication between the core server, node servers, and client is accomplished, including to provide a distributed network of third-party-owned node servers providing a more reliable and scalable system and providing a better user experience, including by permitting asynchronous and/or on-demand viewing at the client device – as opposed to using conventional systems and methods to provision content over a network, such as those described in the '376 Patent and herein. 376/Figs. 1 & 2; 3:23-4:33; 5:5-21; 7:12-8:16; 10:17-23; & 13:37-62. An example of such architecture and functionality is as shown in Figure 1 of the '376 Patent:

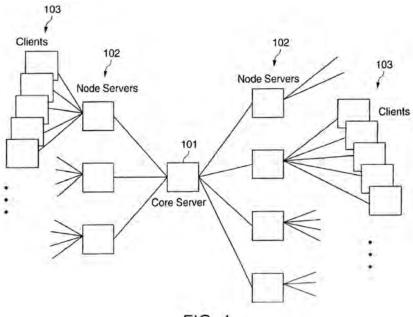


FIG. 1

'376/Fig. 1; see also 5:5-21; 7:12-8:16; 10:17-23; 10:38-67; & 13:37-62.

81. More specifically, the claimed inventions of the '376 Patent provide particular methods

and systems for the provision of content over a network that require, for example, "identifying at a core server a network site that will act as a node server for distribution of specified content" and "providing from the core server the specified content to the node server," which specifies the specific way that a node server is provided specific content to be delivered to client devices. '376/Claim 57. The particular methods and systems further require "communicating to the client the identity of a node server having the specified content store thereon, thereby enabling the client to request transmission of the specified content from the node server," which specifies the information exchanged between the devices in order to facilitate the handoff from the core server to the node server and facilitate the transfer of content from the node server to the client device. '376/Claims 37 & 57. The particular methods and systems also require "ascertaining that the node server transmitted the specified content" and "offer[ing] an incentive as compensation [to an owner of the node server] for transmission of the specified content to the client," which serves as a means of ensuring that the handoff was successful and that the transfer actually occurred, including by providing the owner of the node server compensation for retaining the content and/or transferring the content to any client device redirected to the node server. '376/Claims 37 & 57. Including as described herein, these claimed limitations disclose a particular way in which the patented node server-based architecture can be implemented, including specific information transmitted between each of the devices and a verification of transfer to ensure a reliable user experience – as opposed to using conventional methods and systems to deliver content, such as those described in the '376 Patent and herein. '376/Figs. 1 & 2; 3:23-4:33; 5:5-21; 7:12-8:16; 10:17-23; & 13:37-62.

a. <u>The Claims of the '376 Patent are Directed to Innovative Computer- and Network-</u> <u>Based Systems and Methods</u>

82. Plaintiff refers to and incorporates the allegations in the above paragraphs as if set forth fully herein.

83. None of the elements that comprise the claimed apparatuses, systems, computer readable

media, or methods that are described in the claims of the '376 Patent are abstract. Including as described herein, and in the '376 Patent, the computer readable storage media, client, core server, node server, and network interfaces ('376/Figures 1-2 (and associated description in the specification)) are physical and/or tangible things known to a person of ordinary skill in the art ("POSITA") in light of the specification; and in view of the technological solutions and unconventionality noted herein. '376/3:23-60.

- 84. As exemplified by claim 37, the subject claims of the '376 Patent are directed to:
 - 37. A computer readable storage medium or media encoded with one or more computer programs including instructions for effecting the provision of content over a network, comprising:

instructions for receiving a request from a client for specified content;

instructions for communicating to the client the identity of a node server having the specified content stored thereon, thereby enabling the client to request transmission of the specified content from the node server; and

instructions for ascertaining that the node server transmitted the specified content to the client, wherein an owner of the node server is offered an incentive as compensation for transmission of the specified content to the client.

'376/Claim 37.

85. As exemplified by claim 57, the subject claims of the '376 Patent are directed to:

57. A method for effecting the provision of content over a network, comprising the steps of:

identifying at a core server a network site that will act as a node server for distribution of specified content;

providing from the core server the specified content to the node server;

receiving at the core server a request from a client for the specified content;

communicating from the core server the identity of the node server to the client to enable the client to request transmission of the specified content from the node server; and

ascertaining at the core server that the node server transmitted the specified content to the client, wherein an owner of the node server is offered an incentive as compensation for transmission of the specified content to the client.

'376/Claim 57.

86. Claims 37 and 57 of the '376 Patent, quoted above, are exemplary. A POSITA would

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understand that the language of the '376 claims is not directed merely to a method of generically or conventionally provisioning content over a network. Rather, it comprises the specific aspects noted herein which provided the noted inventive, technological solutions to the problems faced by the inventor. Specifically, as noted herein, the claimed inventions provide inventive, unconventional, and technological solutions to the conventional problems of provisioning varying amounts of content of varying sizes to multiple clients asynchronously and/or on-demand in a distributed-server-based system which facilitates the provisioning of content through the distribution of the content from remote node servers which provide the content to clients, thereby spreading the load of the provision of content across multiple networks and servers.

b. The '376 Claimed Inventions Could not be Done Manually or in One's Head

87. Plaintiff refers to and incorporates the allegations in the above paragraphs as if set forth fully herein.

88. A POSITA would understand that the claimed solutions could not be done manually, including because they necessarily require implementation via specialized, or specially programmed, computers, including one or more networks, a core server, a node server, and, further, including at least communicating the identity of a node server to a client and transmitting the selected content from the node server to the client ('376/Claim 37; Figs. 1 & 2; 1:49-56; 2:8-24; 3:23-4:47; 5:5-8:16; 8:47-50; 8:60-67; 9:1-43; 10:3-11:38; 11:56-14:25; 14:61-64; 15:17-24; 16:4-17:38; 17:49-67; 18:1-39; & 18:54-24:40); and providing specified content to an identified node server, communicating the identity of the node server to a client, and transmitting the selected content from the node server to the client ('376/Claim 57; Figs. 1 & 2; 1:49-56; 2:8-24; 3:23-4:47; 5:5-8:16; 8:47-50; 8:60-67; 9:1-43; 10:3-11:38; 11:56-14:25; 14:61-64; 15:17-24; 16:4-17:38; 17:49-67; 18:1-39; & 18:54-24:40), nor can they be performed in a person's head. Furthermore, for example, the constant open connectivity required for sending and receiving the

specified content from the node server at each of the clients is not something that could be done manually or in one's head.

2. The '376 Claimed Inventions Provide Innovative, Unconventional Concepts and Technological Solutions

89. Plaintiff refers to and incorporates the allegations in the above paragraphs as if set forth fully herein.

90. In sum, including as noted herein, the claimed technologies of the Patent-in-Suit improved, *inter alia*, prior computer and networking technology, including in connection with, among other things:

- A. Improving and increasing efficiencies of the claimed inventions, including over inferior alternative means for achieving the same or similar ends of distributing content, including by reducing or eliminating the cumbersome steps of previous methods of content transfer over the Internet and providing the ability to transfer the specified content at a time chosen by the user where a connection to the Internet may be more readily available. *See, e.g.*, '376/Figs. 1 & 2; 3:23-4:33; 5:5-21; 7:12-8:16; 10:17-23; & 13:37-62.
- B. Leveraging the capabilities of already-existing third-party devices, including their Internet connection capabilities (including through use of custom hardware and/or software), including by shifting the transfer of data from the core server to the node servers, to greatly enhance the functionality of content distribution systems, including because the node servers, with may be more proximately located to the client and have additional resources to the core server, may then store the specified content for transfer to the client via the Internet at a later time. *See, e.g.*, '376/Figs. 1 & 2; 1:49-56; 2:8-24; 3:23-4:33; 5:5-21; 7:12-8:16; 10:17-37; 10:54-58; 13:15-62; 18:24-27; & 19:19-22.
- C. Providing an incentive-based system to permit the content provider to ensure the

specified content was successfully transferred from the node server to the client, including by varying the incentive based on the amount of the content transferred and the quality thereof. *See, e.g.*, '376/Fig. 2; 4:34-47; 6:52-67; 9:19-43; 10:3-16; 10:54-67; 13:10-14; 15:17-24; & 21:59-24:40.

91. The '376 patented inventions also provide computer and network efficiency at least because they allow content provisioning systems to have the useful and improved claimed functionality without the need for the content provider to heavily invest in resources, such as bandwidth, hardware, and/or extra software and data processing required on the core server. The inventor did more than simply apply current technology to an existing problem. The inventions, as embodied in the claims of the '376 Patent, were a significant advancement in content provisioning systems and methods. The inventions covered by the claims of the '376 Patent comprise utilization of the Internet to create a novel architecture enabling provision of content, including high-bandwidth content, by node servers in which a third party has already invested to provide resources for quickly, easily, and reliably transferring content to client over the Internet, and, more specifically, to what is essentially the backbone of what is referred to today as distributed network "streaming."

92. These noted improvements over the prior art represent meaningful limitations and/or inventive concepts based upon the state of the art over two decades ago. Further, including in view of these specific improvements, the inventions of the claims of the '376 Patent, when such claims are viewed as a whole and in ordered combination, are not routine, well-understood, conventional, generic, existing, commonly used, well known, previously known, typical, and the like over two decades ago, including because, until the inventions of the claims of the Patent-in-Suit, the claimed inventions were not existing or even considered in the field, and, in fact, went against the conventional methods.

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93. The claims of the '376 Patent, including as a whole and where applicable in ordered combination, comprise, *inter alia*, a non-conventional and non-generic arrangement of communications between node servers and client devices that is a technical improvement to the communications between the devices and content distribution services, including those improvements noted herein.

94. The claimed inventions are necessarily rooted in computer technology, *i.e.*, network content provisioning technology, and comprise improvements over prior technologies in order to overcome the problems, including those noted herein, specifically arising in the realm of computer networks. The claimed solutions amount to an inventive concept for resolving the particular problems and inefficiencies noted herein, including in connection to provisioning content from a content provider to client over the Internet, including as described.

a. <u>The '376 Claimed Inventions Provide Technological Solutions to Technological</u> <u>Problems</u>

95. Plaintiff refers to and incorporates the allegations in the above paragraphs as if set forth fully herein.

96. The technical problems addressed by the claimed inventions of '376 Patent include the delivery of content, including high-bandwidth content, to large numbers of client devices asynchronously and/or on-demand in a scalable and reliable manner, which, at the time of the '376 patented inventions, was difficult, impractical, and/or cumbersome, including because, as noted herein, provisioning content over a network at the time was unavailable and/or impossible (for example, bandwidth and resource limitations made the ability of a content provider to deliver high-bandwidth content); impractical (for example, requiring content providers to guess traffic loads and requiring large initial investment to meet these loads and/or requiring client devices remain connected for lengthy periods of time using unreliable connections); cumbersome (for example, requiring users browse clunky, confusing hierarchical link systems to find specific content they

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wish to view); and/or prone to errors (for example, the limited resources made it difficult to deliver content to large numbers of client devices without resulting in system crashes or other errors upon reaching said limits). Conventional methods further lacked the ability to provide a distributed network of servers from which the user could request and access specified content asynchronously and/or on-demand. Further, physical limitations existed which limited available resources, including bandwidth, storage, and computing power, which could result in the system being unworkable or crashing.

97. An additional problem that existed with conventional systems was the use of fraudulent logs by the owners of content provided by content providers. For example, conventional systems at the time often included the provision of content in the form of advertisement banners throughout a webpage. At the time, there were webpages that would load with a parade of banner advertisements filling up the user's screen, and, each time the advertisement was loaded, the webpage owner would be paid for displaying the advertisement. However, due to the overwhelming nature of webpages with numerous banner advertisements, users would often leave the webpage before all of the advertisements loaded. Thus, to get around this, webpage owners began creating fraudulent logs to indicate the banner advertisements were loaded, but the advertisement providers had no way of verifying this. As a result, advertisement providers were often forced to pay for views of their content that simply never occurred.

98. Technical solutions provided by the claimed inventions of the '376 Patent to the technical problems faced include the use of a distributed node server architecture wherein the node servers may be added to a vast "army" of third-party servers for use in distributing content to client devices; the identification and maintenance of a list of node servers by the core server and transfer, from the core server to the client device, of the identity of selected, most proximate and/or available node servers which contain the specified content sought by the user; the use of incentives as

compensation to the owners of the node servers for the use of their additional resources; and the communication of a successful transfer of the specified content between the identified node server, or node servers, and the client device, including in order to ensure the user was able to receive the content and determine whether the chosen incentive should be given to the owner of the node server by the content provider. '376/ Figs. 1 & 2; Figs. 1 & 2; 1:49-56; 2:8-24; 3:23-4:47; 5:5-8:16; 8:47-50; 8:60-67; 9:1-43; 10:3-11:38; 11:56-14:25; 14:61-64; 15:17-24; 16:4-17:38; 17:49-67; 18:1-39; & 18:54-24:40. Including as noted herein, this, in turn, provides the ability for client devices to be served by node servers with better and/or more available resources and/or that are more closely located to the client, including by employing already-existing node servers owned by third parties which provide specified content to only a subgroup of client devices, thus allowing the core server to act as a traffic director, redirecting client devices to a more local node server with its own bandwidth, hardware, and software used to deliver the content to a client device at the specific time the client device requests the content. '376/Figs. 1 & 2; 1:49-56; 2:8-24; 3:23-4:47; 5:5-8:16; 8:47-50; 8:60-67; 9:1-43; 10:3-11:38; 11:56-14:25; 14:61-64; 15:17-24; 16:4-17:38; 17:49-67; 18:1-39; & 18:54-24:40.

99. The inventions claimed in the '376 Patent further represent specific improvements in the functionality and capabilities of computer networking, databases, video distribution services, and web services and networks, including in regard to network content distribution services, systems, and network databases, including a network location database. The inventions claimed in the '376 Patent, for example, improve the functionality of network database systems, for example, by facilitating or allowing the core server to maintain a list of node servers, and their respective available resources, proximity, availability for use, content stored thereon, and other information, including so that the foregoing information may be used to provide the client device with the identity of the most reliable node server which can provide the specified content sought by the

user. '376/Fig. 2; 5:51-64; 6:11-14; 9:1-19; 16:4-17:38; 18:1-39; & 23:1-24:40.

100. The inventions claimed in the '376 Patent further represent specific improvements in the functionality and capabilities of computer databases, video distribution services, and web services and networks, including in regard to network content distribution services, systems, and network databases, including a network location database. The inventions claimed in the '376 Patent, for example, improve the functionality of video distribution services and network database systems, for example, by facilitating or allowing the core server to audit and/or otherwise verify whether specified content requested by the user was actually transferred between a node server and client, including via the core server communicating with either or both the node server and client to request confirmation of the transfer. '376/Fig. 2; 4:34-47; 6:52-67; 9:19-43; 10:3-16; 10:54-67; 13:10-14; 15:17-24; & 21:59-24:40. As a result, the content provider is able to limit payment of incentive compensation only to content that has actually been transferred. '376/Fig. 2; 4:34-47; 6:52-67; 9:19-43; 10:3-16; 10:54-67; 13:10-14; 15:17-24; & 21:59-24:40.

101.Including as described in the '376 Patent, and as noted herein, the claimed inventions include unconventional and inventive technological solutions to the technical problems that existed at the time, including to increasing and/or improving, for example, ease-of-use, functionality, efficiency, and reliability in systems for content distribution over a network and network databases. For example, the claimed inventions of the '376 Patent, including as described herein, provide technical solutions that improve, *inter alia*, computer and database technology, including for distribution of high-bandwidth content over a network, including by providing a distributed network of third-party-owned node servers providing a more reliable and scalable system and providing a better user experience, including by permitting asynchronous and/or on-demand viewing at the client device. In this way, the claimed inventions of the '376 Patent reduce the use of the content provider's computing devices (*e.g.*, servers) and resources thereon, including the

use of the content provider's and user's network traffic (*e.g.*, bandwidth) – which, including as noted herein, was highly limited at the time of the patented inventions, especially on mobile networks, and often costly and not always available – because the content provider is not required to maintain connections with every client the entire time the specified content is being transferred to the client, including because such transfers are offloaded to the node servers. As noted herein, specifically with respect to home devices and mobile devices, it was often not possible to continually maintain a network connection, especially in view of the potential for the content provider's servers to become unreachable due to crashing or otherwise, resulting in the client device having to attempt to reconnect before the content was fully delivered. The inventions of the '376 Patent provide a technical solution to this problem by offloading the large number of connections from the core server onto a distributed system of node servers, each of which serves only a small portion of the total amount of clients.

b. The '376 Claimed Inventions Provide Unconventional Solutions

102.Plaintiff refers to and incorporates the allegations in the above paragraphs as if set forth fully herein.

103.Including as noted herein, what was conventional at the time comprised, for example, pure single server-client systems, pure multi-server single-client systems, and singularly-owned distribution systems, which, at best, either caused the data to be so small that it was of poor quality or brute-forced the content by throwing costly bandwidth, hardware, and software at the problem, including as shown in the prior art systems described in the specification, including the cited *Kenner* reference, and herein. However, including due to limitations on available resources and the lack of consistent, reliable, and scalable systems to provide a reliable user experience, users seeking high-bandwidth content were often simply unable to do so because it was unavailable because content providers simply did not, because they could not, provide it. Further, a user was

unable to choose when they viewed the specified content absent some clever, yet burdensome, methodology of calculating exactly how long the transfer would take, connecting at the exact time necessary so the file would be available when the user wished, and hoping the transfer completed without issue, such as disconnection. By leveraging network and web-based systems, the patented inventions improved upon the conventional methods of distribution of high-bandwidth content over a network, which suffered from the many issues noted herein.

104.Unconventional solutions provided by the claimed inventions of the '376 Patent include the leveraging of the resources, such as bandwidth and computing power and/or storage, of thirdparty-owned computing devices in order to create a distributed network of servers which may store various content offered by the content provider so that the node servers, rather than the core server, are required to maintain a connection with the client devices for transfer of specified content. Including as set forth in the specification of the '376 Patent, the bandwidth-heavy communications overhead of transmitting high-bandwidth content is performed on a far more reliable network, resulting in much less likelihood a user would get logged off prior to the completed transfer or the connection failing, and, furthermore, a diminished amount of traffic occurs on the core server, effectively permitting more clients to reliably access specified content. '376/Figs. 1 & 2; 1:49-56; 2:8-24; 3:23-4:33; 5:5-21; 7:12-8:16; 10:17-37; 10:54-58; 13:15-62; 18:24-27; & 19:19-22.

105. The patented inventions of the '376 Patent further provided unconventional solutions by at least leveraging the use of incentives in order to recruit third parties to provide the use of their resources, such as bandwidth and computing power and/or storage, and ensuring the content was transferred in order to correctly award incentives for successful transfers. '376/Fig. 2; 4:34-47; 6:52-67; 9:19-43; 10:3-16; 10:54-67; 13:10-14; 15:17-24; & 21:59-24:40. Including as noted herein, and as argued during prosecution of the '376 Patent, it was unconventional to have distributed, server-based and/or network-based systems which were provide built via the use of

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incentives to third parties for the user of already-existing resources, as opposed to the conventional method of content providers expending both money, including in infrastructure expense and ongoing operation costs, and available resources in order to meet traffic demands.

106.Further, the asserted claims of the '376 Patent claim unconventional systems, computer readable media, and methods which provide a distributed network of third-party-owned node servers providing a more reliable and scalable system and providing a better user experience, including by permitting asynchronous and/or on-demand viewing at the client device – as opposed to using conventional systems and methods to provision content over a network, such as those described in the '376 Patent and herein.

c. <u>The '376 Claimed Inventions Provide Technological Solutions to Technological</u> <u>Problems</u>

107.Plaintiff refers to and incorporates the allegations in the above paragraphs as if set forth fully herein.

108. The claimed content provisioning systems and methods of the '376 Patent provide a number of benefits over conventional systems and methods, including conventional pure single server-client systems, conventional pure multi-server single-client systems, and conventional singularly-owned distribution systems. These benefits include the ability of the content provider to accommodate vastly more client devices; provide a larger amount of content using the same resources; provide improved quality and sized content; provide content to client devices in an asynchronous and/or on-demand manner; reduced costs to content providers for implementing and maintaining their systems; distributing the resource load across all node servers; exponential reduction in amount of streams by requiring only a single transmission to each client by the node server; permitting the distribution of content via transmission at off times, rather than precisely when the client connects; better scalability and the ability to add node servers in an exponential growth; providing a feedback mechanism to ensure the content was actually delivered via strong

compensation mechanisms; improved system reliability to client devices; and/or cost-savings for client devices by reducing the amount of data used and/or connectivity time. '376/Claims 37 & 57.

109. In addition, conventional systems and methods required heavy investment by the content provider as the amount or scale of the servers increases, meaning the content provider was required to pay for additional hardware and/or software as well as the maintenance costs therefor, including because, at the time, the convention was not to have idle bandwidth available because the enormous expense of bandwidth meant such idle bandwidth was money wasted. The claimed inventions of the '376 Patent allow, for example, the system to distribute the specified content via the use of distributed third-party node servers, thus, *inter alia*, offloading and reducing resource usage of the content provider's servers, resulting in less investment needed by the content provider. The claimed inventions of the '376 Patent further allow, for example, asynchronous and/or ondemand distribution of the content, regardless of the status of the content provider's bandwidth usage and availability, resulting in users being able to view the specified content even when the core server is otherwise inoperable or unreachable. The claimed inventions of the '376 Patent allowed devices with lower bandwidth and intermittent internet connectivity, such as dial-up and wireless or mobile devices, to work reliably with distributed content systems when requesting and receiving content from the content provider's server, including because the connectivity to the content provider's systems was done on a reliably connected, more proximately, located thirdparty server.

d. <u>The '376 Claimed Inventions Provide Technological Solutions to Technological</u> <u>Problems</u>

110.Plaintiff refers to and incorporates the allegations in the above paragraphs as if set forth fully herein.

111.Consistent with the above discussion, including the problems solved that had been faced by conventional content provisioning systems and provisioning content to clients over a network, and further in consideration of the '376 Patent specifications, the prosecution history, and cited prior art, a POSITA would understand that the claimed "[core server] identifying...a network site that will act as a node server for distribution of specified content; [to] provid[e]...the specified content to the node server; [so that the core server can]...receiv[e]...a request from a client for specified content;...communicat[e] to the client the identity of the node server having the specified content...enabling the client to request transmission of the specified content from the node server; and...ascertain[] that the node server [has] transmitted the specified to the client, wherein an owner of the node server is offered an incentive as compensation for transmission of the specified content to the client," including based on the use of a distributed node server architecture, and including in combination with the claims of the '376 Patent, as a whole, is an inventive technological solution, including in view of the benefits and unconventional solutions this involves and contributes to. '376/Claim 1; Figs. 1 & 2; 1:49-56; 2:8-24; 3:23-4:47; 5:5-8:16; 8:47-50; 8:60-67; 9:1-43; 10:3-11:38; 11:56-14:25; 14:61-64; 15:17-24; 16:4-17:38; 17:49-67; 18:1-39; & 18:54-24:40.

112.For example, using certain technology claimed in the '376 Patent, (for example, the core server and node server in conjunction), it becomes possible to, among other things, provide the node server with content requested by client devices so that client devices may request and obtain specified content from the node server at a more preferential time for the client device, such as during off-peak hours or when the client device has a more stable connection. '376/Figs. 1 & 2; 1:49-56; 2:8-24; 3:23-4:47; 5:5-8:16; 8:47-50; 8:60-67; 9:1-43; 10:3-11:38; 11:56-14:25; 14:61-64; 15:17-24; 16:4-17:38; 17:49-67; 18:1-39; & 18:54-24:40.

113. The '376 claimed inventions comprise inventive improvements over prior technologies in order to overcome problems, including those technical problems noted herein, related to computer networks, content distribution, and database management (for example, related to content providers) including in combination with the provision of high-bandwidth content over the Internet from a content provider to many clients, the ability to provide clients with multiple pieces of content, and the ability to access and communicate with the user's client device at various times, including in order to distribute content at a time chosen by the user, including via a network which is accessible via a web browser or similar functionality. For example, the claimed inventions provide inventive solutions related to the conventional issues and inefficiencies (for example, as described herein) that were related to distributing large amounts of content and/or content to large numbers of clients (for example, high-bandwidth content from content providers) over a network, such as the Internet, via the use of third-party-owned, distributed node servers, including storing and/or maintaining relevant characteristics regarding the node servers (for example, bandwidth, resources, proximity to a client, etc.) in a node server database and which may be accessible via a network (for example, the Internet) such as through a web server. Further, the use of the feedback compensation system provides the content provider a means of ensuring the content was successfully received by the client, avoiding the issue of conventional systems where false transfer logs resulted in content providers paying for transfers that never actually occurred.

114. The '376 patented inventions further provide inventive improvements in network, including distributed content network, architecture, including because the unconventional multiserver-server-client architecture and shifting of communications and workload from a centralized server to a distributed node server system improve over the conventional, proprietary singular server-client architecture. Including as noted herein, in doing so, the claimed inventions reduce the workload of the content provider's servers and use of the content provider's limited resources by providing for various tasks to be run and take place on the distributed node servers which act as intermediaries. Specifically, a POSITA would understand that the avoidance of overloading the available resources of the content provider, including by offloading onto a tiered

architecture of node servers, was inventive and serves as an improvement in network, including distributed content network, architecture. Further, the use of an incentive to aid in recruiting additional third parties to provide the user of the already-existing resources was inventive. Further, the use of a feedback notice informing the core server that the node server successfully transferred the entirety of the specified content, including so that the owner of the node server was properly provided the chosen incentive, was inventive and serves as an improvement in network, including distributed content network, architecture.

3. The Claims of the Patent-in-Suit do not Unreasonably Preempt their Respective Fields

115.Plaintiff refers to and incorporates the allegations in the above paragraphs as if set forth fully herein.

116.Including as noted herein, the '376 Patent does not claim merely the abstract idea of "provisioning content over a network" that provides no inventive concept. Instead, the '376 Patent claim specific methods and systems for provisioning specifically selected content, including from a node server containing the specific content selected by the client, including via a core server receiving a request from a client to view specific content and directing the client to connect to a specific node server containing that content so that the client may receive the content from the node server, and determining that the selected node server has transmitted the selected content to the client where infringement of the patent claims can be readily avoided while still practicing any alleged abstract idea, given that the patent claims do not purely read on any alleged abstract idea. Indeed, the claims of the '376 Patent do not provision content as in the prior art, but, instead, provision content by a core server providing the content to distributed node servers to provision to clients as discussed extensively herein.

117.For example, "provisioning content over a network" may be practiced outside of the limited scope of the patent claims at least by:

- A. The use of a system such as that described in the *Kenner* reference (U.S. Patent No. 5,956,716), cited by the patent examiner;
- B. The use of a system such as that described in the *Guenthner* reference (U.S. Patent No. 6,135,588), cited by the patent examiner;
- C. The use of distributed core servers;
- D. The use of a system which permits a client to download content over time and/or in the background and view the content at a later time;
- E. The use of a content capturing device located within the client as the content is provisioned;
- F. The use of pre-loaded client devices a user may obtain and view the content; and/or
- G. The use of a system which staggers the provisioning to clients in an ordered queue.

COUNT I – INFRINGEMENT OF U.S. PATENT NO. 7,650,376

118.Plaintiff refers to and incorporates the allegations in the above paragraphs as if set forth fully herein.

119.Plaintiff is the assignee of the '376 Patent and it has all substantial rights to the '376 Patent, including the right and standing to sue and recover damages for past, present, and future infringement of the patent.

Claim 37 of the '376 Patent covers a computer readable storage medium or media comprising said medium or media "encoded with one or more computer programs including instructions for effecting the provision of content over a network, comprising: instructions for receiving a request from a client for specified content; instructions for communicating to the client the identity of a node server having the specified content stored thereon, thereby enabling the client to request transmission of the specified content from the node server; and instructions for ascertaining that the node server transmitted the specified content to the client, wherein an owner of the node server is offered an incentive as compensation for transmission of the specified content to the client."

120.Claim 57 of the '376 Patent covers a method comprising said "method effecting the provision of content over a network, comprising the steps of: identifying at a core server a network site that will act as a node server for distribution of specified content; providing from the core server the specified content to the node server; receiving at the core server a request from a client for the specified content; communicating from the core server the identity of the node server to the client to request transmission of the specified content from the node server; and ascertaining at the core server that the node server transmitted the specified content to the client, wherein an owner of the node server is offered an incentive as compensation for transmission of the specified content to the client."

A. Infringement Via CS Application

121.CSI has infringed, and is now infringing, the '376 Patent, including at least claims 37 and 57, in this judicial district and elsewhere, in violation of 35 U.S.C. § 271 through actions comprising the practicing, without authority from Plaintiff, systems and methods for obtaining and aggregating contact information from a plurality of messaging services providers via CSI's CS Application system, including associated hardware, firmware, and/or software, including as claimed in the '376 asserted claims. On information and belief, CSI practices the claimed methods and provides the claimed systems with and via its CS Application system comprising the CS website at app.curiositystream.com and/or curiousitystream.com; the CS Android mobile application; the CS iOS mobile application; the CS smart device application; the CS streaming device application.

122. Without limitation, the accused system comprising the CS Application system that comprises a computer readable medium or media encoded with one or more computer programs

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including instructions for effecting the provision of content over a network, comprising: instructions for receiving a request from a client for specified content; instructions for communicating to the client the identity of a node server having the specified content stored thereon, thereby enabling the client to request transmission of the specified content from the node server; and instructions for ascertaining that the node server transmitted the specified content to the client, wherein an owner of the node server is offered an incentive as compensation for transmission of the specified content to the client.

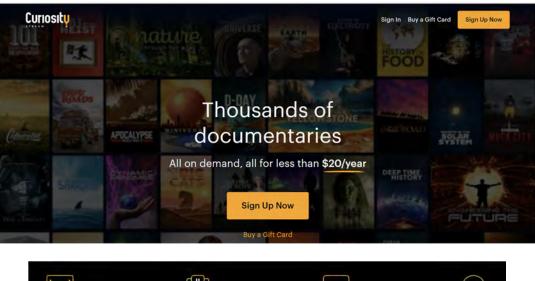
123. Without limitation, and for example, the accused instrumentality comprising the CS Application system practices said methods to effect the provision of content over a network, comprising the steps of: identifying at a core server a network site that will act as a node server for distribution of specified content; providing from the core server the specified content to the node server; receiving at the core server a request from a client for the specified content; communicating from the core server the identity of the node server to the client to enable the client to request transmission of the specified content from the node server; and ascertaining at the core server that the node server transmitted the specified content to the client, wherein an owner of the node server is offered an incentive as compensation for transmission of the specified content to the client.

124.Further, the CS Application system comprises computer readable storage media and methods which permit CSI's server to identify a remote server to which the CS Application system provides specified content such that a client may request specified content from CSI's server, which directs the client to the node server containing the specified content so that the client may obtain the specified content from the node server, wherein CSI's server is notified by the node server that the content has been transferred and the owner of the node server is offered an incentive as compensation for the transmission thereof.

125. For example, the CS Application system permits the streaming of media content over a

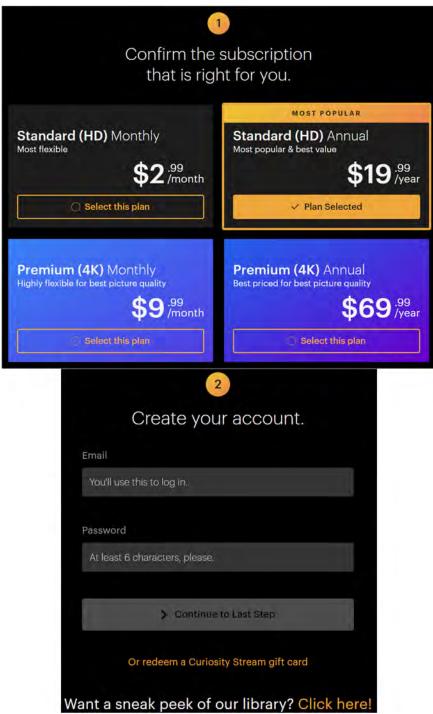
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network from third-party servers to a user's device, wherein said streaming occurs, *inter alia*, via CSI's servers providing the identity of a third-party server to the user's device, in response to the user's request to view media content provided by CSI, wherein the server identified is one which contains the content requested:





Just 3 steps to the best documentaries on the planet:



See, e.g., Curiosity Stream website located at https://curiositystream.com/



See, e.g., Curiosity Stream Categories website located at https://curiositystream.com/categories

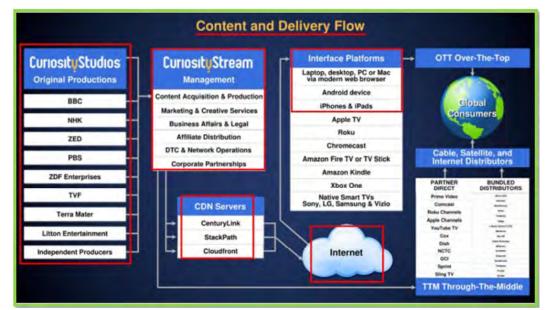
Watching Curiosity Stream

You can watch instantly from any web browser or wifi-enabled device that offers a Curiosity Stream application. To download our app, search for "Curiosity Stream" on your mobile device or smart TV app store and look for our distinctive gold Y icon. (See a list of compatible devices **here**.) You must sign in with your registered email and password to view programming via our apps.

Curiosity Stream Worldwide Availability

Curiosity Stream is a service meant for all people to enjoy and thus can be accessed all over the world. Original productions from Curiosity Stream, such as Destination Pluto, Ancient Earth, Curious Minds, and the 4K production Big Picture Earth – are available worldwide. Acquired content (from BBC, NHK, TerraNoa, ZED, etc.), such as the feature documentaries and series may be subjected to geoblocking. The availability of this content varies according to geographical locations and licensing agreements with our partners.

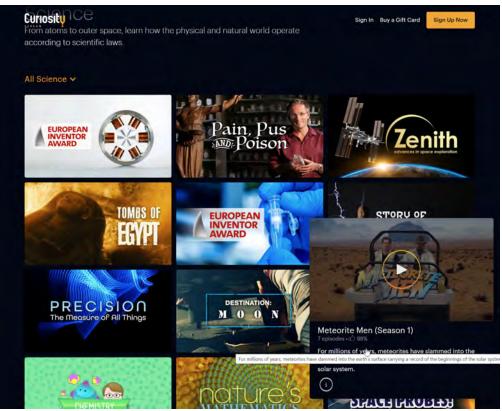
See, e.g., Curiosity Stream Help Center "How does Curiosity Stream work?" page located at <u>https://help.curiositystream.com/hc/en-us/articles/204913157-How-does-Curiosity-Stream-work-</u>



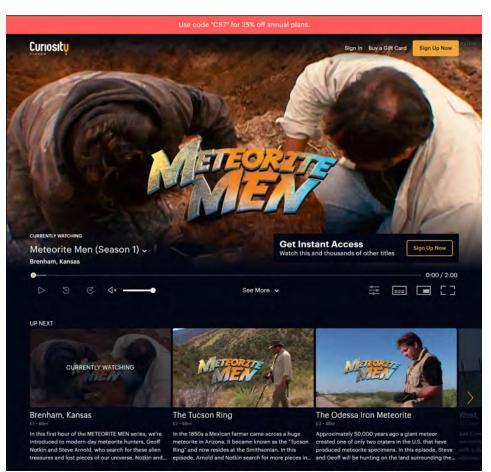
See, e.g., SEC Archive page for Curiosity Stream Investor Presentation, Dated August 2020 located at

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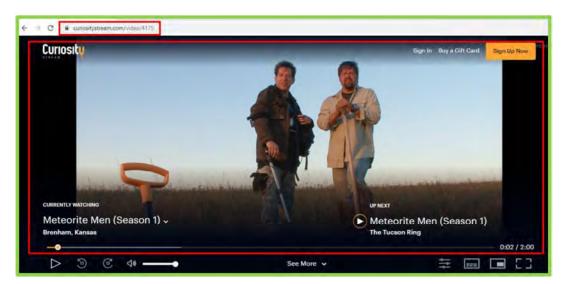
https://www.sec.gov/Archives/edgar/data/1776909/000121390020021307/ea125257ex99-2_software.htm



See, e.g., Curiosity Stream Science Category website located at https://curiositystream.com/categories/science



See, e.g., TV Show Information Page for "Meteorite Men" on Curiosity Stream website located at <u>https://curiositystream.com/video/4175</u>



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Name	X Hexdes Preven Resonar Initiator Timing
Name biobhttps://curiositystream.com/64b8a843-67dc-419c-8a9c-adbe163cc11b	
biobinttps://curiositystream.com/9807242-654e-403b-84c0-2c644d3f5e14	* General
1 000mtpt://curiositystream.com/raisri212-cover-4/30-0402-20(44035)614	Request URL: https://cdn-s3-akm.curlositystream.com/bitmovin-outputs/Cineflix_WeteoriteWen_101_EW6_f25_4175.mp4/video/n264-preview/720/2900364/base/init.
biobhttps://curiositystream.com/6d44c0dc-1524-4f2e-88bc-ee4ab6d81080	api.
C bitro4	Reguest Method: 6ET
seq.0.m4s	Stalus Code: 200 (from disk castw)
intmol	Remote Address: 23.15.14.89:443
E seg_0.m4s	Referrer Policy: strict-origin-unen-cross-origin
0 102	* Response Headers
collect?v=18, v=;968;a=11312902088;t=event8;ni=18; s=18:_6248.164260129	
0 wsg	accept-ranges: bytes access-control-allow-credentials: true
seg_1.m4s	
seg_1.m4s	access-control-allow-headers: origin,range,hdnt1,hdnts access-control-allow-methods: GET.PGST.OPTIONS
6	
·· 7id=1418728098427502&ev=playback_start&dl=https%3Aext-278e9ef24fe04	access-control-allow-origin: *
D t	access-control-expose-headers: Server,range,hdnt1,hdnt5,Akamai-Hon-Iucid-Ing,Akamai-Hon-Iucid-Del,Akamai-Request-BC
touch-konjang	access-control-max-age: 86400
seg_2m4s	akamai-mon-lucid-det: 949116
track?action=pageView&env=js-web&tag_version=4.4.0A%2P%2Fcuriositystn	cache-control: max-age+18250879
conversion1action=pageView&env=js-web&tag_version=A%2F%2Fcuriosityst	content-length: 671
Oiti=4025502&tm=gtm002&Ver=2∣=a3b5a1ed-1455-432m%2F&ct=9576	content-type: video/mp4
seg_3.m4s	state: Thu, 20 Jan 2022 03:06:41 GHT
biobinttos://cunositystream.com/a9438c04-1fc3-4ar9-90d0-a325er6242er	etag: "c\$500008939e025d61f0981742f2626d"
seg_4.m4s	expires: Med, 27 Jul 2022 05:14:40 GHT
collect	last-modified: Fr1, 65 Har 2021 15:16:58 GHT
seg_5.m4s	server: AnazonS3
seg_2.m4s +	x-ama-id-2: BLNNNV/ccf54Lbp9thNy0chjX3EBFI2v2gVhpx82V4LqQofH11+e5L2H3rKbx8XH05328Lh3upp1+

• seciety - c/seciety
<pre>ititle:Curiosity Stream - Meteorite Men (Season 1) Brenham, Kansas://title: a= 50</pre>
<pre> deta charset="UTF+8" ></pre>
meta name-"description" content."In this first hour of the METEORITE MEM series, we're introduced to modern-day meteorite hunters, Geoff Notkin and Steve Arnold, who search for these alien treasures and lost
rid for years to search for remnants of ancient meteorites.">
<pre>sheta name="vieuport" content="width=device=width, initial-scale=1.0")</pre>
<pre>/meta name="msapplication-TileColor" content="meeaU3d"></pre>
<pre>«neta name="thene-color" content="#020713")</pre>
<pre>/meta name="type" content="video.other"></pre>
<pre>ineta property="deltype" content="video.other"></pre>
<pre>/meta name="video:duration" content="2681";</pre>
<pre>xmeta property="og:image" content="https://cdm.curiositystream.com/webapp=v3/images/v3/video=4175-image_large=en=a/300.jog"></pre>
<pre>xneta property="dg:un1" content="https://curiositystream.com/"></pre>
<pre>/meta property="og:title" content="Meteorite Men (Season 1) arenham, Kanses")</pre>
ameta property-"og:description" content."In this first hour of the METEORITE MEN series, we're introduced to modern-day meteorite hunters, Geoff Notkin and Steve Arnold, who search for these alien treasures an
the world for years to search for remnants of ancient meteorites."
<pre>/meta property="fb:app_id" content="1501924433435139"></pre>
<pre>neta mame="apple.itunei-app" contents"app-id=971830624";</pre>
<pre>xmeta name="appl-mobile-web-app-capable" content="yes"></pre>
<pre>ineta name="p:domain_verify" content="ble6e9490187d4cbc11a0d56ff81de8c")</pre>
meta name="twitter:site" content="@CuriosityStream">
<pre>imeta name="twitter:creator" content="@curiosityStream")</pre>
<pre>«neta name="twitter:card" content="@curiosityStream"></pre>
<pre>«neta name="twitter:inage" content="https://cdn.curiositystream.com/webapp=v2/inages/v0/video=4175-image_large=en=#/300.jpg"></pre>
<pre>slink rel="icon" type="inge/x-icon" href="/favion.ico"></pre>
<pre>slink rel="icon" kref="/favicon.ico"></pre>
<pre>slink rel="icon" type="image/png" slizes="32x32" href="//favicon-32x32.png"></pre>
<pre>slink rel="icon" type="image/png" sizes="lsx16" href="/favicon-16x16.png"></pre>
<pre>slink rel="manifest" href="/slite.webmanifest"></pre>
<pre>slink rel="apple-touch-icon" sizes='100x100" href="/apple-touch-icon.ppg"></pre>
<pre>(link rel="mask-icon" href="/<u>safari-pined-tab.svg</u>" color="School")</pre>
<pre>slink rel="icon" sizes="192x192" http://touth-icon.phg")</pre>
<pre>*<script)="</script" type="application/ld+json"></pre></td></tr><tr><td>ineta rame-"next-head-count" content-"30" i</td></tr><tr><td><pre>(link rel="preload" href="/_next/static/css/74bes4ecss" as="style")</pre></td></tr><tr><td></td></tr></tbody></table></script></pre>

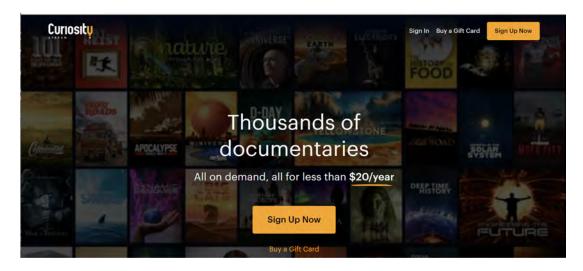
Name	× Headers Preview Response Initiator Timing
0 t	* General
C touch-ken.ang	Request UR1: https://cdn-s3-akm.curiositystream.com/bitmovin-outputs/Cineflix Neteoritemen 101_ENG f25_4175.mpd/viden/h264-preview/720/2900364/base/seg
seg_2.m4s	4,945
track?action=pageView&env=js-web&tag_version=4.4.0A%2P%2Fcuriositystv	Request Method: SET
conversion1action=pageView&env=js-web&tag_version=_A%2P%2Fcuriosityst	Status Code: 200 (from disk cache)
01ti+4025802&tm+gtm002&Ver+2∣+a3b5a1ed-6485-432m%2F&z+9571	Remote Address: 23.15.34.89:443
teg_3:m4s biopintas//c.r/ssicytheam.com/s9438c34.1fc3-4a49-80d3-a325eft343ef	Reference Policy Structure and cross-origin
seg.4.mls	* Response Headers
Collect	accept-ranges: bytes
i seg.3.m4s seg.2.m4s	access-control-allow-credentials: true
Seg.Em4s	access-control-allow-headers: origin,range,hdntl,hdnts
5 seg_5.m4s	access-control-allow-methods: GET, POST, OPTIONS
seg_rams	access-control-allow-origin: *
0.6	access-control-expose-headers: Server,range,hdnt1,hdnt5,4kanai-Hon-Iucid-Ing,4kanai-Hon-Iucid-De1,4kanai-Request-BC
□ seg_3,m4s	access-control-max-age: 56488
C seg.4.m4s	akamai-mon-iucid-del: 949116
Cl seq.5.m4s	cache-control: max-age=162733+6
Seg.6m4s	content-length: 1992+10
seg.7.m4s	content-type: v1deo/m4
0 seg.8.m4s	date: Tru, 28 Jan 2022 03:06:44 (0/T
C) results	etag: "19751c01c3900ce00cf4770ebce07629"
track?action=timeSpent&env=is-web&tag_version=4.4A%2F%2Fcuriositystre	expires: Wed, 27 Jul 2022 11:29:10 GHT
collect?v=2&tid=G-GH3462EJ5M&ptm=2oe1c0&_p=1131290enham%2C%20	tagment may a for and a start of the start o
Seg. 9/m4s	server sators
El seo 9.m4s	
and the second sec	x-amz-id-2: z5wrvc7wf32t3kp/2mr6DncwaY9Z3YsVAnSG+jf8/dq5ev/Uw20dDw9T6uVKHd1mu32#k5Rq1prim

See, e.g., TV Show Information Page for "Meteorite Men" on Curiosity Stream website located at <u>https://curiositystream.com/video/4175</u>

126. The CS Application system comprises instructions for receiving a request from a client

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for specified content. For example, the CS Application provides the user's device with code which permits the user's browser to, *inter alia*, display the CSI website, browse the content available for streaming, and select specific content to view, wherein CSI's servers receive and interpret code from the user's device indicating the content the user has chosen to view:



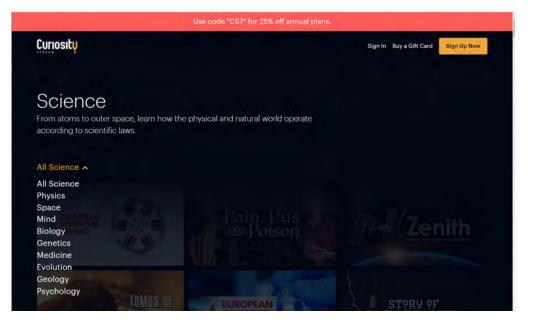
Want a sneak peek of our library? Click here!

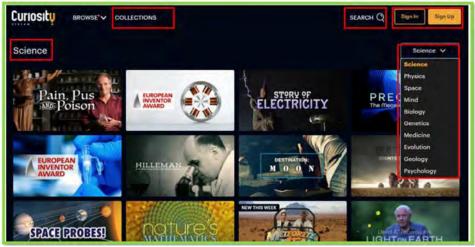


See, e.g., Curiosity Stream webpage located at https://curiositystream.com/



See, e.g., Curiosity Stream Categories website located at https://curiositystream.com/categories





See, e.g., Curiosity Stream Science Category website located at <u>https://curiositystream.com/categories/science</u>

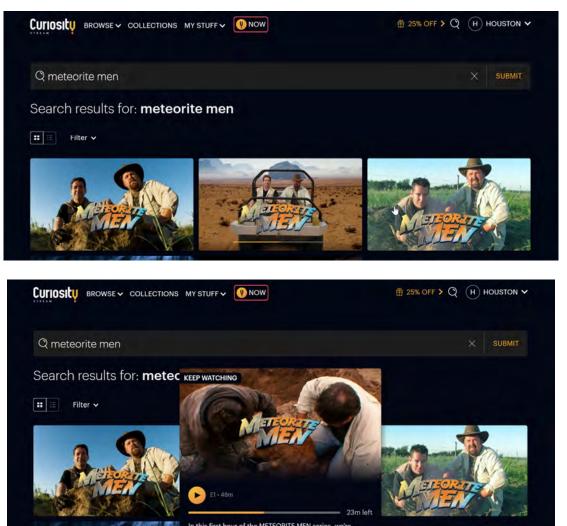
Watching Curiosity Stream

You can watch instantly from any web browser or wifi-enabled device that offers a Curiosity Stream application. To download our app, search for "Curiosity Stream" on your mobile device or smart TV app store and look for our distinctive gold Y icon. (See a list of compatible devices **here**.) You must sign in with your registered email and password to view programming via our apps.

Curiosity Stream Worldwide Availability

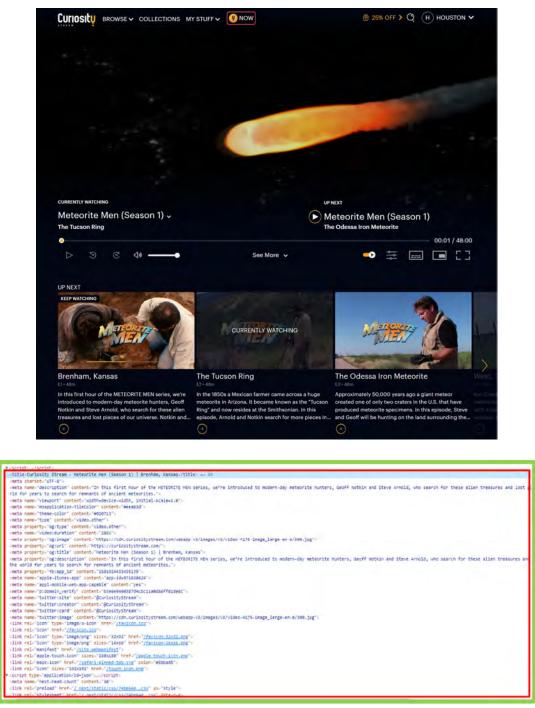
Curiosity Stream is a service meant for all people to enjoy and thus can be accessed all over the world. Original productions from Curiosity Stream, such as Destination Pluto, Ancient Earth, Curious Minds, and the 4K production Big Picture Earth – are available worldwide. Acquired content (from BBC, NHK, TerraNoa, ZED, etc.), such as the feature documentaries and series may be subjected to geoblocking. The availability of this content varies according to geographical locations and licensing agreements with our partners.

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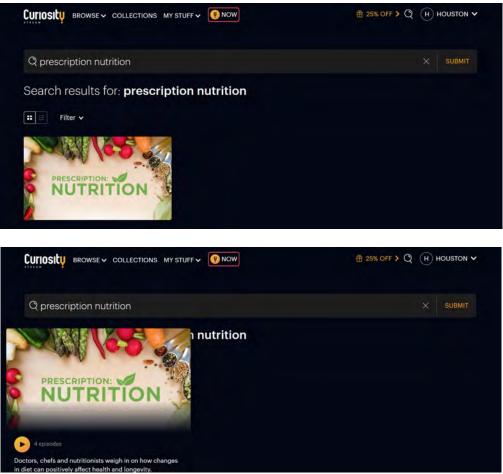
See, e.g., Search Results Page for "Meteorite Men" on Curiosity Stream webpage located at **Error! Hyperlink reference not valid.**

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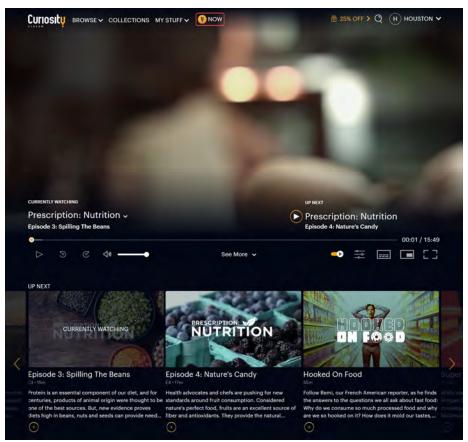


See, e.g., TV Show Information Page for "Meteorite Men" on Curiosity Stream website located at <u>https://curiositystream.com/video/4175</u>

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See, e.g., Search Results Page for "Prescription Nutrition" on Curiosity Stream webpage located at <u>https://curiositystream.com/search/prescription%20nutrition?listStyle=grid</u>



See, e.g., TV Show Information Page for "Prescription: Nutrition" on Curiosity Stream website located at <u>https://curiositystream.com/video/1792</u>

No.	Time	Source	Destination	Protocol Length Info
	1309 12.754469	192.168.0.103	142.258.194.68	UDP 76 57569 = 443 Len=34
	1310 12.754835	192.168.0.103	142.258.194.68	UDP 79 57509 - 443 Len-37
	1311 12.778439	192.168.0.103	142.258.194.68	LDP 933 57569 + 443 Len+691
1	1312 12.778768	192.168.0.103	192.168.0.1	DRS 79 Standard guery Ex5844 A curiositystream.com
	1313 12.825678	142.250.194.68	192.168.0.103	UDP 73 443 + 57505 Len=31
1	1314 12.845160	192,168.0.103	142.250.194.68	UDP 75 57509 = 443 Lén=33
	1315 12.850055	192,168,0.1	192,168,0,103	DNS 95 Standard query response 0x5044 A curiositystream.com A 76.76.21,21
	1916 12.651229	192.168.0.101	76,76,21,21	TCP 66 82918 + 443 [SYN] Seguil Ministatab Levind #55-1408 v5-256 5400 PERI-1
1	1917 12.899200	76.70.21.21	181.108.0.103	1CP 66 443 + 62018 (SYN, ACK) heget ack+1 win-14400 Len-0 m5-1300 Adx-128 SACK PIRM+1
Т	1318 12.899349	192.168.0.103	76.76.21.21	TCP 54 62018 - 443 [ACK] Seg-1 Ack-1 kin-131848 Len-8
. I	1319 12,900044	192.168.0.103	76.76.21.21	TLSv1.3 571 Client Hello
	1320 12.900842	142.258.194.68	192.168.0.103	UDP 03 443 + 57509 Len+41
	1321 12.901396	192,168,0,103	142.258.194.68	UDP 80 57509 + 443 Len+38
	1322 12.901731	142.250.194.68	192.165.0.103	UDP 68 443 + 57509 Len=26
	1323 12.917195	192,168.8.103	142.250.154.68	UDP 75 57589 + 443 Len+33
1	1324 12.958667	76.76.21.21	192,168,0,103	TCP 54 443 + 62018 [ACK] Seg=1 Ack=518 kin=251904 Len=0
1	1325 12.968238	142.250.194.68	192.168.0.103	LIDP 68 443 + 57509 Len=26
1	1326 12.996125	76,70,21,21	192.168.07103	TCP 1514 [TCP Previous segment not captured] 443 → 52018 [ACK] Seq=1461 Ack-518 Hin-251904 Len+1400 [TCP tegment of
	1327 12.096249	1921168101203	76,76,21,21	TCP 86 [TCP Dup ACK 1318#1] 62018 + 443 [ACK] Seq-518 Ack-1 Win+131840 [en+0 5LE-146] 58E-2921
1	1328 12.996549	76,76,21,21	192,168,0,103	TCP 1230 443 + 62018 [PSH, ACK] Seg=2921 Ack+S18 Win+251904 Len+1176 [TCP segment of a reassembled PDU]
	1329 12.996626	192,168,0,105	76/76/21/21	TCP 66 [TCP Oup ACM 1518#2] 52018 + 443 [ACK] Seg-518 ACK=1 Win+131048 Len=0 5LE=1461 SRE=4097
	1130 12.996897	76.76.21.21	192.168.0.103	TLSV1.3 1514 [TCP Fast Retransmission] , Server Hello, Change Cipher Spec, Application Data
1	1331 12.007013	192.168.0.103	76.76.21.21	TCP 54 62018 - 443 [ACK] Seq-518 Ack-4007 Min-131840 Len-0
1	1332 13.006612	76.76.21.21	192.168.0.103	TCP 1046 443 + 62018 [PSH, ACK] Seq=4097 Ack=518 Win=251904 Len=992 [TCP segment of a reassembled POU], Application
- 1	1333 13.015623	192.168.0.183	76,76,21,21	TLSV1.3 118 Change Cipher Spec, Application Data
1	1334 13.016415	192.168.0.103	76.76.21.21	TLSV1.3 146 Application Data
1	1335 13.017133	192.168.0.103	76,76,21.21	TCP 1414 62018 = 443 [ACK] Seq=674 Ack=5009 Hin=130816 Len=1368 [TCP segment of a reassembled PDU]
	1336 13.017133	192.168.0.103	76.76.21.21	TLSV1.8 351 Application Data
	1337 13.023394	76.76.21.21	192.168.0.103	TCP 1846 [TCP Spurious Retransmission] 443 + 62818 [PSH, ACK] Seq=4897 Ack=518 Win=251984 Len=992
	1338 13.023494	192.168.0.101	26.26.21.21	TCP 66 [TCP Oup ACK 1333#1] 62018 + 443 [ACK] Seg-2351 Ack-9089 Min-150836 Lenve 512+4007 SAL-5085

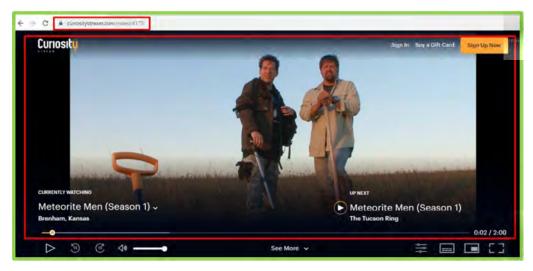
ND.	Time	Source	Destination	Protocol	ungth Info
1	5775 34.830169	192.168.0.103	23.15.34.89	TLSv1.3	689 Client Hello
	5776 34,848336	192.168.0.1	192,168,0,103	DNS	215 Standard query response 8x94d4 A cdn-s3-akm.curiositystream.com CNAME cdn-s3-akm.curiositystream.com-v1.aka
-	5777 34.060443	199.127.194.107	192,168,0,103	TOP	58 443 - 62932 [SYN, ACK] Seg-0 Ack+1 Min+14600 Len-0 MSS+1450 MS+1 SACK FER-1
	778 34,860534	192.168.0.103	199.127.194.107	TCP	54 #2932 - 443 [ACK] Seg=1 Ack=1 Win=131328 Len=0
	5779 34.868652	192,168.0.103	199,127,194,107		571 Client Hello
	5780 34,904270	23,15,34,89	192.168.0.103	TCP	54 443 + 62933 [ACK] Seg=1 Ack=636 Win=30592 Len=0
	5781 34.907921	192.168.0.103	34.210,231,90		119 Application Data
		192,168.0.103			
	5782 34.988146		34.210.231.90		1376 Application Data
	5783 34,909495	23.15.34.89	192,168,0,103		318 Server Hello, Change Cipher Spec, Application Data, Application Data
	5784 34,910047	192,168.0,103	23.15.34,89		134 Change Cipher Spec, Application Data
	5785 34,910352	192.168.0.103	23.15.34.89		146 Application Data
	786 34,910744	192,168.0,103	23.15.34.89	7L5v1.3	
- 3	5787 34.983644	23,15,34,89	192,168,0,103		541 Application Data
1.3	1788 34.985840	23.15.34.89	192.168.0.103	TLSv1.3	124 Application Data
1	5789 34.985892	192.158.0.103	23.15.34.89	TCP	54 62933 + 443 [ACK] Seq=1270 Ack-622 Win=130560 Len=0
1.3	5790 34.986073	192.168.0.103	23.15.34.89	TLSv1.3	85 Application Data
	5791 34.986190	23.15.34.89	192.168.0.103	TCP	1514 443 + 62933 (ACK) Seq=622 Ack=1270 Win=31744 Len=1460 [TCP segment of a reassembled PDU]
- 4	5792 34.986190	23,15,34,89	192.168.0.103	TLSV1.3	
	5793 34,986216	192,168.0,103	23.15.34.89	TCP	54 62933 - 443 (ACK) Seg=1301 Ack=2337 kin=131328 Len=0
	5794 35.042908	192.168.0.103	23.15.34.89	TL5v1.3	
	5795 35.044001	192.168.0.103	23.15.34.89	TLSv1.3	183 Application Data
	5796 35.065477	192.168.0.103	23.15.34.89		122 Application Data
	5797 35.065798	192,168,0,103	23.15.34.89		173 Application Data
	5798 35.067869	199.127.194.107	192.168.0.103	TEP	86 443 + 62934 [SYR, ACK] Seg-0 Ack+1 Win+14660 Lemon 165+1468 85+1 542(Prot-1
	5799 35.067957	192.168.0.103	199.127.194.107	TCP	54 62934 = 443 [ACK] Seq=1 Ack=1 Win=131328 Len=0
	5800 35.068281	192.168.0.103	199.127,194.107		571 Client Hello
	5801 35.099558	23.15.34.89	192,168.0.103	TCP	54 443 + 62933 [ACK] Seq=2337 Ack=1301 kin=31744 Len=0
1.2	5802 35.116149	23.15.34.89	192.168.0.103	TCP	54 443 + 62933 [ACK] Seq=2337 Ack=1429 kin=33024 Len=0
	3883 35.116399	23.15.34.89	192,168,0,103	TCP	54 443 + 62933 [ACK] Seq=2337 Ack=1558 kin=34304 Len=0
	5883 35.116399 5884 35.117357	23,15,34,89 23,15,34,89	192,168,0,103 192,168,0,103		sa aas + gabaa [AKK] segavaas Akkaisse kun-sasee kenne 1312 Application Data
3				TLSv1.3	
3	5884 35.117357	23,15,34,89	192,168.0,103	TLSv1.3	1312 Application Data
3	Time 675 49,454762	23.15.34.89 Source 35.186.226.184	192,168,9,103 Destrution 192,168,9,193	TLSv1.3 Protocol TCP	1912 Application Data Length Dofe 54 dAT = 43042 (FID, 404) Segri Acted kinviti Lenve
3	Time 675 49,454762 676 49,434834	23,15,34,89 Source 35,186,226,184 192,168,0.103	192,168.0,103 Destrution 193,188.0,103 35,186.026,184	Protocol TCP TCP	1112 Application Data Length Edfs S4 d4T = 63562 [FID, 462] Segn] AckeS kinniti Lenv0 S4 0365 = 443 [ACK] Segn] AckeS kinniti Lenv0
	Tme 475 49,434743 676 49,434743 676 49,434834 677 49,460001	23,15,34,89 Source 35,186,226,184 192,168,0,103 192,168,0,1	192,168.0,103 Destrution - 193,168.0,103 35,166.226,184 192,168.0,183	TLSV1.3 Protocol TCP TCP DNS	1312 Application Data Length Info 54 AAF = 63DEE [13H, ACE] Seger] Ackes kinnisi Lenno 54 63068 = 443 [ACE] Seger] Ackes kinnisi Lenno 25 653068 = 443 [ACE] Seger] Ackes kinnisi Lenno 23 55 Standard query response burkli & cdn-si-ekm.curiositystream.com CHAVE cdn-si-ekm.curiositystream.com-vi.eka
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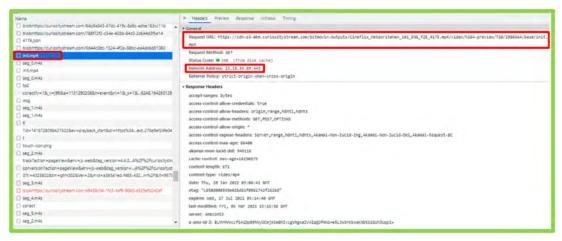
127. The CS Application system comprises instructions for communicating to the client the identity of a node server having the specified content stored thereon. For example, the CS Application determines whether a third-party server contains the user's chosen content and transmits the identity, *e.g.*, IP address, of the server to the user's device:

702 49.724771 703 49.724911 704 49.726443 192.168.0.103 192.168.0.103 23.15.34.57 23.15.34.57 23.15.34.57 192.168.0.103 TCP TCP TL5v1.3

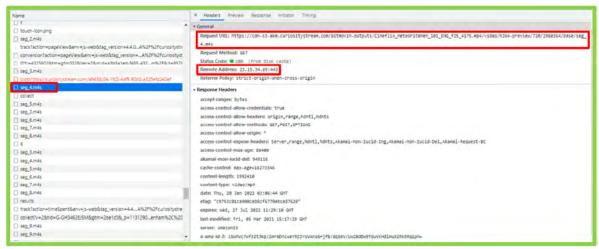
66 63910 + 443 [ACK] Seq=1291 Ack=7907 Wim=129792 Len=0 SLE=9367 SAE-1042 54 63910 + 443 [ACK] Seq=1291 Ack=10627 Wim=131328 Len=0 1514 Continuation Data 67 ----





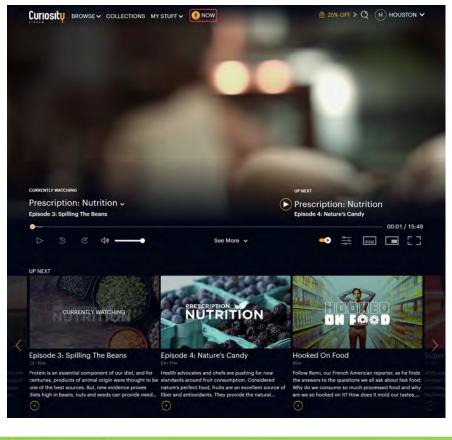


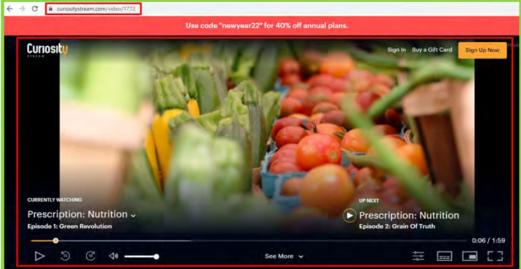
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rid for years to search for remnants of ancient meteorites.">	
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<pre>(meta property="fb:app_id" content="1501924433435139"></pre>	
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<pre>-neta name="twitter:image" content="https://cdn.curiositystream.</pre>	com/webapp=v2/images/v5/v1deo=4175-image_large=en=a/300.jpg">
<pre> link rel="icon" type="image/x-icon" href="/favicon.ico"></pre>	
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See, e.g., TV Show Information Page for "Meteorite Men" on Curiosity Stream website located at <u>https://curiositystream.com/video/4175</u>

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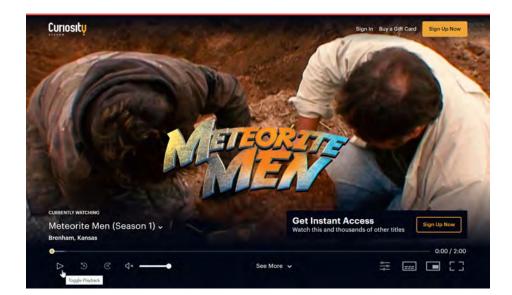
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track/action-pageViewSem+js-webStag_version+4A.0s%3A%2F%2Fourio	Request UBL: https://idn-il-ake.cwripitystream.com/bitmovin-outputs/COP_Prescriptionutrition_1_Rev_mov/videu/hi4-preview/720/200/200/init-mo4
ConversionTaction=pageVaw/kenv=is-web&tag_version=_s%IA%2P%JFcur	
01t+40258028tm+gtm0028Ver+25mici+91e92714-38t0-42a.mN2F6it+9	117 Status Code = zan
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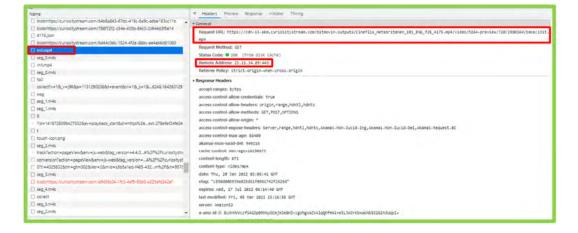
Name	Headers Preview Response Instator Timing		
1:d=1418728096427502&ev=playbeck_start&d=110p3%3A_ee60r25ec4794073 +	* General		
Ü t	Request URL: https://cdn-s3-akm.curlositystream.com/bitmovin-outputs/COP_PrescriptionNutrition_1_Rev1.mov/audio/preview/em/seg_6.m4s		
touch-koning	Request Method: GET		
collect?v=28tid=G-GH3462EJ5M8igtm=20e1c08, p=2897489reen%20Revolu	Status Code: 200		
[] seg_2m4s			
[] seg_2.m4s	Remote Address: 23.15.14.57:443		
[] seg_3.m4s	Referrer Policy: strict-origin-uhen-cross-origin		
5 seg_4.m4s	* Response Headers		
C) seg.3.mis	accept-ranges: bytes		
- sorite.jog	access control allow credentials: trae		
i seg_5.m4s	access-control-allow-headers: origin, range, ndnt1, hants		
() seg_4.m4s	access-control-allow-methods: GIT, POST, OPTONS		
seg_6.m4s	access-control-allow-origin: *		
data/	access-control-expose-headers: Server,range,hdnt1,hdnt5,Akama1-Hon-Jucid-Ing,Akama1-Hon-Jucid-Del,Akama1-Request-BC		
seg_7.m4s	access control must age: 16400		
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seg_8.m4s seg_6.m4s seg_6.m4s trackTaction=timeSpent&env=js-web&tag_version=4.4s%3A%27%2Fcuriosity			
	cache-control: max-age=6534848		
	content-length: 7967e		
C collect	content-type: video/mp4		
seg_7.m4s	date: Thu, 20 Jan 2022 05:37:08 GHT		
seg_9.m4s	elag: "dfa687906dd2821d21a8ff@bl5ecbaa5"		
i seg_8.m4s	expites: Tue, 05 Apr 2822 18:37:46 GMT		
i ség_9.m4s	last-modified: Sun, 21 Apr 2013 03:55:11 GHT		
seg_10.m4s	server: Anaconsa		
□ seg_10.m4s	armz+d-2; /JV9uTjI3HbBugkp3IPLH3dkglVuhQ&ocr4aIHIedleDGVts2Fs/1iHaO+8yHsT/z8HBFubAHY+		
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See, e.g., TV Show Information Page for "Prescription: Nutrition" on Curiosity Stream website located at <u>https://curiositystream.com/video/1792</u>

128. The CS Application system enables the client to request transmission of the specified content from the node server. For example, the CS Application instructs and/or controls the user's browser on the user's device running code to connect to the identified third-party server, including



via the server's IP address, where the user's device then requests the chosen content be transmitted:



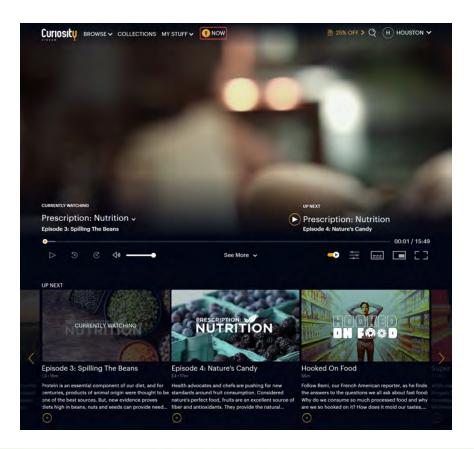


Name	* Headers Presiew Response Inflator Timing
U1	* General
touch-leph.phg	Request URL: https://cm-53-ekm.curiositystreem.com/bitmoyin-outputs/Cineflix.NeteoriteMen.101_EMG_425_4175.mp4/video/h264-preview/720/2000364/base/set
seg_I_m4s	4.85
track?action=pageView&env=js-web@tag_version=4.4.0_A%2P%2Fouriesitystn	Repared Methods: 087
conversion1action=pageView&iem=)s-web&tag_version=A%2P%2Fcuriosityst	Status Edde: • 200 (From disk cache)
C 07t = 20748028 tm = gtm0028 Ver = 28 mint = a3h5 x1ect.6285.232 .mAl3F8.t=6573	Remote Address: 22.15.24.09:44)
🗇 seg_limits	Reference Policy structure registration cross-origin
biocomps//curiestytheem.com/8438c04-14c3-4atte-90c3-a525et6242at	Neteriel Poecy: strict-origin-knex-cross-origin
🗆 seg_4m4s	* Response Headers
C collect	accept-ranges: bytes
seq.5.m4s	access-control-allow-credentials: true
□ stg_2,2,m44	access-control-allow-headert. origin, range, hdnti, hdnts
seg_6.m4s	access-control-allow mathods GBT_PDT_CPTIONS
seg_7.m4s	access-control-allow-origin: *
seg.8.m4s	access-control-expose-beaders: Server,range,hdnt],hdnts,akamai-Hon-Jucid-Ing,akamai-Hon-Jucid-Del,Akamai-Request-BC
D 6	access control max-age: 6440
seg_3.m4s	alcost comor max ago serve
🗋 seg_4.m4s	
seg_5.m4s	cache-control: max-age=18273346
seg_6.m4s	content-length: 1952418
□ seg_7.m4s	contant-type: video/mp4
🗇 seg_8.m4s	date: Thu, 20 Jan 2022 03:06:44 GHT
C) results	efag: "c9753c01ca900ceb0cf6770ebce87629"
□ track?action+timeSpent&env+js-web&tag_version+4.4A%2F%2Fcuriositystre	expires wed, 27 Jul 2022 11:29:10 GMT
collect?v=28tid=G-GH3462EJ5M>m=20e1c08,p=1131290_enham%2C%20	last-modified: Fr1, 05 Har 2021 15:17:29 GHT
seg_9.m4s	server: AnazonS3
seg.9.m4s	s-amz-ld-2: 25umvCtvf1211kp/2mr6Dncusv1221tsVAn64-jf8/dg5ev/uv28dDub16uvtvd1mu124k5Rg1pm-

No. Time	Source	Destination	Protocol Length Info
\$775 34.830169	192.168.0.103	23.15.34,89	71Sv1.3 689 Client Hello
\$776 34,848336	192,168,0,1	192.168.0,103	DHS 215 Standard query response 0x94d4 A cdn-s3-akm.curiositystream.com ONAVE cdn-s3-akm.curiositystream.com-v1.
\$777 34,868443	199.127.194.107	182,158, 0,105	TCP 68 A43 + 62833 [SYN, ACK] Sequel Ack+1 Han-1A088 Lemma MS-1A60 36-1 SACK_MSN+1
\$778 34.860534	192.168.0.103	199.127.194.107	TCP 54 62932 + 443 [ACK] Seq=1 Ack=1 Win=131328 Len=0
5779 34.860852	192.168.0.103	199.127.194.107	TLSv1.2 571 Client Hello
5780 34,904270	23.15.34.89	192.168.0.103	TCP 54 441 + 62933 [ACK] Seq=1 Ack=836 win=30592 Len=0
5761 34-907921	192,168.0,103	34,210,231,90	YLSWIZ 119 Application Data
5782 34,908146	192,168.0,103	34,210,231,90	TLSv1.2 1376 Application Data
5783 34.909495	23.15.34.89	192.168.0.103	TLSv1.3 318 Server Hello, Change Cipher Spec, Application Data, Application Data
\$784 34.910047	192.168.0.103	23.15.34.89	TLSv1.3 134 Change Cipher Spec, Application Data
\$785 34,910352	192,168.0,103	23,15.34.89	TLSv1.3 146 Application Data
5786 34.910744	192,168,0,103	23.15.34.89	TLSv1.3 516 Application Data
5787 34,983644	23.15.34.89	192,168.0.103	TLSv1.3 341 Application Data
5788 34.985840	23.15.34.89	192.168.0.103	TLSv1.3 124 Application Data
\$789 34,985892	192.168.9.105	23.15.34.89	TCP 54 52513 - 843 [ACK] Seq=1270 Ack-622 kin=130568 Len=0
5790 34,966073	192,168,8,103	23.15.34.89	TLSvI.3 85 Application Data
\$791 34.986190	23,15.34.89	192,168.0,103	TCP 1514 443 + 62933 [ACK] Seq=622 Ack=1270 Nin=31744 Lem=1480 [TCP segment of a reassembled PD0]
5792 34,986198	23.15.34.09	192.168.0.103	TLSv1.3 309 Application Data
5793 34.986216	192.168.9.103	23.15.34.89	TCP 54 62933 + 443 [ACK] Seq=1301 Ack=2337 kin=131328 Len=0
\$794 35,042908	192,168.0,103	23.15.34.89	7LSv1.3 182 Application Data
5795 35,844001	192,168.0,103	23, 15, 34, 89	7LSv1.3 183 Application Data
5796 35.065477	192,168.0.103	23, 15, 34, 89	TLSv1.3 172 Application Data
5797 35.065798	192.168.0.103	23.15.34.89	TLSV1.3 173 Application Data
\$796 35,867868	199:127:194:107	192.165.0.101	TCP 88 843 + 82934 [578, ACK] Seque Ack+1 sin+14088 cen+8 MS5+1468 Win+1 SACK_PHONES
5799 35.067957	192,168.0.103	199.127.194.107	TCP 54 62934 + 443 [ACK] Seg+1 Ack+1 Hin+131328 Len+0
5800 35,068281	192,168.0,103	199,127,194,107	7LSv1.2 571 Client Hello
5801 35.099558	23.15.34.89	192.168.0.103	TCP 54 443 + 62933 [ACK] Seq=2337 Ack=1301 Win=31744 Len=0
5802 35.116149	23.15.34.89	192.168.0.103	TCP 54 443 + 62933 [ACK] Seq=2337 Ack=1429 Win=33024 Len=0
5803 35.116399	23.15.34,89	192,168.0.103	TCP 54 443 + 62933 [ACK] Seq=2337 Ack=1558 kin=34304 Len=0
5804 35.117357	23,15.34.89	192.168.0.103	TLSv1.3 1312 Application Data



See, e.g., TV Show Information Page for "Meteorite Men" on Curiosity Stream website located at <u>https://curiositystream.com/video/4175</u>

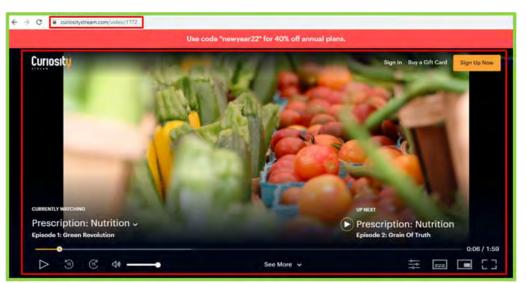


Name	* Heldes Peaks Report Philos Thing
	* General
trackfaction-pageViewServ=js-web&tag_version=4.4.0s%3A%2Ph2Fcuriost	Request URL: https://ion-si-Akw.surinsitystream.com/mitmovin-outputs/COP_Prescriptinnwtrition_1_Apri.mov/video/Nid4-preview/720/000200/init.mo
ConvenionTection+pageVewServ+js-webStag_version+s%3A%2Ph3/curios	Request Method: 617
071+40258025tm+gtm0028/Ver+25mid+9fe92714-3860-42sm%2F8/t+9812	Status Code: # 200
0.0	Remote Anthrew: 23.15.34.37:443
() wag	Referrer Folkge strict-origin-when-crois-origin
() way	A construction of the second se
12 way	- Response Headers
() 1781,ean	accept-ranges: bytes
c43aa60b57a20dd7983o428143e2ct58.mpd	access-control-allow-ceedentaaks true
Diobrittp://puriositystream.com/eliaza36b-b195-476a-b21a-0edf873fef0a	access-control-allow-headers origin,renge,hdml,hdmls
biobhttps://uniositystream.com/9p83e6c1-e294-4d36-e66e-cc9c3dr95ad0	access-control-alline methods: SET_POST_CPTIDIS
D blob https://curiositystream.com/1959be4a-bba4-4885-8054-abb243245269	access control allow origin: *
0.0	access control expose Beadork Terver, range, hdmt1, hdmt1, Akamal-Hon-IUcid-Ing, Akamal-Hon-IUcid-De1, Akamal-Honuett-BC
() introd	access-control-mox-age: 66400
Li seg.Qumite	akamai-mon-iucid-dek 648116
April ()	caller-control: mix-age+4557823
(seg_0,m4s	content length: #34
() HEUTS	cumfwith-type: vLdec/mp4
thelias []	date: 17/w, 2# 34/ 2#22 #3/37/#6 2#1
() #2	elag: "da%27a3faf471360%9ff6cedcood%aac"
colect?v=15_v=j9652=2897455235t=event6zi=16_3=1665_245.1642601293	expanses und, as Apr 2022.01:14:00 SMT
i eng	NAM-HUNDHIDED Sun, II Apr 2010 MJ157/AI DHT
D eng. Simes	Nerver Assorb3
I ME CAR	# ambid_2:
7/d=14187200964275025ev+playbetx_start&d=*ttp://s34ee8o/25ec+794d71	ar umor request lot: 0041021402/0021091

<pre>>script asym: sec."https://www.apopletaminazer.com/ets.1531d-bb-NUPOpg"///forigt></pre>
+skripts_/skripts
<pre>stile.Curlosity Stream - Prescription: Mutrition Kpisode 1: Green Nevolution / title.</pre>
inets chartet. "UTF-0"-
meta name "description" contents "Current research in nutrition points to our diet as the most incontant factor in continued good health and longevity. Doctors, chefs and nutritionists show us how going po
een with fresh ingredients and flavors in our daily neals will improve our health.")
<pre>.meta name."viewport" content."visth.device.wisth, initial-scales1.e")</pre>
ants name."misoplication.fileColor' content."messid"
-nets name-"these-color" context, #020713"
(neta nané-"type" content-"video.other")
nets property "og:type" content."video.other"-
incta name. "sideciduration" content, 1878"
<pre>impta property "og:image" content="https://cdn.curiositystream.con/webspo-vi/images/vi/vi/ded-1772-image_large-en-a/100.jpg"-</pre>
<pre>.meta property="og:url" content="https://curiositystream.com/")</pre>
"meta property-"og:title" content-"Prescription: Nutrition Episode 1: Green Revolution">
wheth property-"ogidescription" content-"Current research in mutrition points to our diet as the most important factor in continued good nealth and longevity. Doctors, chefs and mutritionists show us have
oing green with fresh ingredients and flavors in our daily meals will improve our health."
<pre>imeta property-fbiapp_id' content-'1501524433435130')</pre>
<pre>imeta name="apple-itumes-app" content="spp-id+071210424"></pre>
<pre>imeta same="sopl-mobile-uep-sop-capable" contents"yei"y</pre>
<pre>imeta name="pidomain_verify" content="blebe9+9938704cbc1is0d80ff81de8c";</pre>
<pre>-meta name-"twitter:site" content-"@curiosityStream".</pre>
-meta name-"twitter:creator" context="@Curiositystneam"x
<pre>(meta name="twitter:card" content="jouriosityStream")</pre>
<pre>weta name="twitter:image" content="https://cdn.cwriositystream.con/webspo-v3/images/v8/video-1772-image_large-en-a/308.jog"></pre>
- link rel-'icon' type-'image/x.icon' here'- //im/icon.ico'-
<pre></pre>
link rel-"icon" type-"image/png" sizes-"ibs2" nref-"<u>iferico-ibs81.ng</u>">
-link rel="icon" type="image/png" illei="ikx14" tref="/favicon=ikx14" tog">
<pre>(link rel:"monifest" hmef="/site_setmonifest")</pre>
<pre> link rel-"apple-touch-icon" sites-"184x184" href."/apple-touch-icon,tng"></pre>
-link rel-"mask-icon" href-"/safari_cimtes_tab.avg" color="#30ba65";
<pre>(link rel-"icon" sizes-"352x352" href-"<u>/town-icon-see</u>")</pre>
* (script type:"epplication/ld-json")/script:
<pre>nets news next-feed-count" content-"be"></pre>
<pre>slink rel="preload" href="/_mext/static/css/740edda_ccs" ad="style"=</pre>
Link rel="stylesheet" hvef="/_nwst/static/css//Mobilet3s" data-n.g/
-link rel-"preload" http://doi/orsi/clobiclcss" es-"style"-

Name	* Headers Preview Response Initiator Timing		
Tid=1418728098427502&ev=playback_start&d=https%3A_ae6bf25ec4794d73 =	* General		
0:	Request URL: https://cdn-s3-akm.curlositystream.com/bitmovin-outputs/COP_PrescriptionNutrition_1_Rev1.mov/audio/preview/en/seg_6.mv		
touch-icon.ong	Request Method: GET		
collect?v=28tid=G-GH3462EJ5M&igtm=Zoe1c08c,p=2897489reen%20Revolu	Status Code: 200		
() seg_2m4s	Remote Address: 21.15.34.57:443		
0 seg_2//4k	Referen Policy: strict-origin-when-cross-origin		
🗍 seg_3.m4s			
🗋 seg_4m4s	* Response Headers		
🗋 seg_3m4s	acceptranges: bytes access-control-allow-recent lake: true access-control-allow-methods: srigin,range,hdn1,hdnts access-control-allow-onight: 4 access-control-allow-onight: 4 access-control-allow-onight: 4 access-control-expose-headers: Server,range,hdn1,hdnts,4kama1-Hon-JucId-Dig,kkama1-Hon-JucId-Del,4kama1-Howst-BC access-control-max-age: BLade		
spritejog			
seg_5.m4s			
seg_4.m4s			
[seg_6/m4s			
() data/			
seg_7.m4s			
□ seg_5.m4s	akamai-mon-iucld-del: 9-49116		
seg_8.m4s	cache-control: max-age+6534040		
seg_6.m4s	content-length: 79670		
track/action=timeSpent&env=js-web&tag_version=4.4_s%3A%2P%2Fcurios(5)	content-type: video/no4		
[] collect	date: Thu, 28 Jan 2022 83:37:08 GHT		
seg_7.m4s	etas: "df#6079bidd2221d21#5f4bb15ecba5"		
seg_s.mes	expires: Tue, 05 Apr 2022 18:37:48 GHT		
	last-modified: Sun, 21 Apr 2019 03:55:11 GHT		
seg_9.m4s	Mar modified: Sun, 22 Apr 2019 01:59:12 Gen Server: Amazonist		
seg_10.m4s	<pre>wiamz-bd-2: /3v90Tj13+bGuqkp31PLN3dkq1vUhQ6oezva2H3ed1eOGvts2Fs/11HaO+xyRsT/zabH8FubHHY+</pre>		
C collect	x-amz-request-kd: RH3DpP66R258DH3T		

No	Time	Source	Destination	Protocol	Length : John
	675 49.434762	35.188.226.184	192,168,8.103	TOP	54 443 - 15285 [FIN, ACC] Seg-1 Ack+3 wine261 ien+0
	676.49.434834	192.168.8.103	35.186.226.184	TCP	54 63868 + 443 [ACK] Seq+3 Ack=2 Win=518 Len+8
	677 49.460001	192.168.0.1	192.168.0.103	DNS-	215 Standard query response 0xa741 A cdn-s3-akm.curiositystream.com CNAME cdn-s3-akm.curiositystream.com-v1.aka
	\$76.49.4smET	192.108.0.107	23.15.84.87	TOP	88 63918 = 443 [SYN] Segre His-64240 Len-8 His-1400 MALE MAX PLAYSI
	878 49.549209	13.15.14.57	197.108.9.105	TCF	DN 443 - 41910 [SYN, ACC] Seq-0 Ack-1 MLn-29100 Level MLS-1408 SHCK MEMP-1 wD-120
	688 49.549361	192.168.0,103	23,15,34,57	TCP	54 63910 + 443 [ACK] Seq+1 Ack+1 Win+131328 Lem+0
	681 49,550135	192.168.0.103	23.15.34.57	TLSY1.1	
	682 #9.634618	23:15.34.57	192.168.0.103	TCP	54 443 = 63910 [ACK] Seq=1 Ack=630 win=30592 Len=0
	683 49.634996	23.15.34.57	192.168.0,103	TLSV1:3	318 Server Hello, Change Cipher Spec, Application Date, Application Date
	684 49.635383	192.165.0.103	23.15,34.57	TLSVI.9	134 Change Cipher Spec, Application Data
	685 49.635595	192.168.0.103	23.15.34.57	TLSV5.3	146 Application Data
	688 49.635878	192.168.8.183	23, 15, 34, 57	TL5v1.5	506 Application Data
	687 49.720364	23.15.34.57	192.168.0.103	TL5+1.3	341 Application Data
	688 49.720364	23.15.34,57	192,158.0.105	TLSv1.3	124 Application Data
	689 49.728483	192.108.0.103	23.15.34.97	TCF	54 63910 + 443 [ACK] Seq=1200 Ack=822 Win=130500 Lenve
	690.49.720718	192.168.0.103	23,15.34.57	TLSv1.3	85 Application Data
	691-49-721482	25:15:34:57	192-168.0.103	TLISV1+3	
	692 49 721456	1921168107101	23125-34.57		66 [TCP Dup ACK 68091] 63020 + 643 [ACK] Segel201 Ack+622 Min+130560 Lenn0 512-2082 SRE+3542
	693 49 723648	23-15-34-57	192,165,0.103		1514 [TCP Out-Of-Order] 443 + 63918 [ACK] Seq=522 Ack=1268 Win+31744 Len=1468
	694 49.723125	192.168.0.103	23.15.34.57	TCP	54 63910 + 443 [ACK] Seq=1291 Ack=3542 Min=131328 Len=0
	695 49.723483	23.15.34.57	192,168.0.103	TLSVI.5	1514 Continuation Data
	696 49.723483	23.15.34.57	192.168.0.103	TL5v1.3	1514 Continuation Data
	697 49.723469	192.168.0.103	23.15.34.57	TCP	54 63010 - 443 [ACK] Seq-1201 Ack-6462 kin-131328 Len-0
	698 491724273	23.15134.57	192.168.0.103	TE9V1-5	
	009.49.724353	102.168.0.103	23.15.34.57		66 [TCF Dup ACK 697#1] 63910 + 443 [ACK] Seq=1291 Ack=6462 Hin=131378 Lem=0 5(1=5067 SHE=18627
		22.15.34.57			1499 [TCP Dut-Of-Order] 443 + 63010 [PSH, ACK] Segmi462 Ack+1260 Min-31744 Lenv1445
			103.168.0.103		1514 [TCP Duts-Of-Order] 443 + 63910 [4CK] Seq+7907 Ack+1260 HLn+31744 Len+5460
_	782 49.724771	192.168.0.103	23.15.34.57	TCP	66 63910 + 443 [ACK] Seq=1291 Ack=7907 Win=129792 Len=0 SLE=9367 SAE=10027
	703 49.724911	192.168.0.103	23.15.34.57	TCP	54 63918 + 443 [ACK] Seq=1291 Ack=10827 Win=131328 Len=0
	704 49,726443	23.15.34.57	192-168.8.103	TLSv1.3	1514 Continuation Data



See, e.g., TV Show Information Page for "Prescription: Nutrition" on Curiosity Stream website located at <u>https://curiositystream.com/video/1792</u>

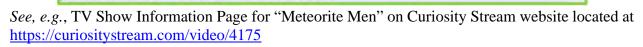
129. The CS Application system comprises instructions for ascertaining that the node server transmitted the specified content to the client. For example, the CS Application receives updates from the user's device and/or the third-party server indicating that all, or a part, of the content has been transferred to the user's device, which may occur in smaller pieces or "chunks," and the CS Application updates the CSI webpage for the user to indicate that at least a portion of the content has already been viewed:

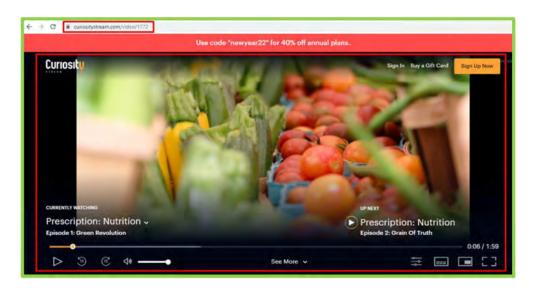


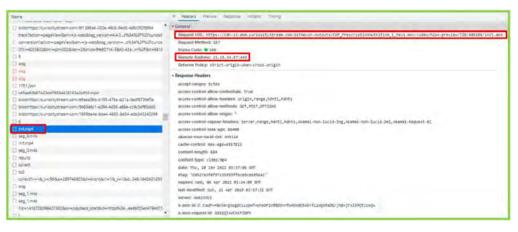
Name	* Headers Preview Response Intentor Timing
🖸 bipbittips://curiositystream.com/64b8a843-67bc-419c-8a9c-adbe183cc11b 🔹	* General
blochttps://curlositystream.com/768f72f2-c54e-403b-84c0-2c644d3f5e14	Request URL: https://cdn-si-skm.curiositystreen.com/bitmovin-cutouts/Cineflix Neteoritemen IRL NK Fis 4175.mp4/video/h264-preview/720/2000264/base/init
4176json	nsi
biobinttos//curiositystream.com/Ed44c0dc-1524-4f2e-880c-ee4ab6081080	Request Method: út t
C) MEMPA	Status Code: 200 (from disk cache)
[] seg_0m4s	Remote Address: 23.15.54.89:443
[] intmp4.	Referrer Policy: strict-origin-unen-cross-origin
1 seg.0.m4;	
collectiv=18, v=)968.a=11312902088t=event8x1=18, s=186248.164260129	* Response Headers
wig	accept-ranges: bytes
□ wag □ seg_1.m4s	access-control-allow-credentials: true
0 seg.1/m4s	access-control-allow-headers: origin, range, hdntl, hdnts
6	access-control-allow-methods: SET, PDST, OPTIONS
 Tid=14187280984273028.ev+playback_start8.cl=https/h3A_ext-278e9et24te04 	access-control-allow-origin: *
	access-control-expose-headers: Server,range,hdnt1,hdnt5,4kama1-Hon-Iucid-Ing,4kama1-Hon-Iucid-Del,4kama1-Request-BC
touch-kon.ong	access-control-max-age: 86468
i seo.2m4s	akamusi-mon-iucid-deb: 949116
 track?action+oaceView&envels-iveb&tag_version+44.0_A%2P%2Fcuriositysty 	cache-control: msx-age=16250873
conversionTaction=pageView&env=is-web&tag_version=A%2P%2FcuriosItyst	content-length: 471
17 0/t +40258028tm +gtm0026.Ver=26/m d=s305a1ed.1465-432 _m%2F8/t=957/	content-type: v1deo/m04
E seg 3.m4s	date: Thu, 28 Jan 2022 03:06:41 GHT
13 acontros//curosit/stream.com/s9438c04-14:3-4a%-90o0-a325eto24bet	etag: "cst0c0c0533ec25ds1f0581742f2c26d"
seq.4.m4s	expires ued, 27 Jul 2022 05:14:140 ptr
[] colect	last-modified: Fr1, 65 Nar 2021 15:16:58 GH
El seg 3.m4s	verver: Jaston 1
[] seg.2m4s	x amu-d-2: BLNnWvccf5410pe9hNy0cm1x3eBrdvzgvhgxx2V410p0fmi1+esL3HRvbxHxND532011Jup1+

Nate	8 Headers Prevew Response Initiator Timing.
01.	* General
touch-icon.prig	Request URL: https://cm-t3-skm.curiositystream.com/0itmovin-outputs/Cinefilx.meteoritemen.101_ENG_F25-4175.mp4/video/h264-preview/720/2000364/base/ses/ses
seg_2.m4s	4.85
 trackfaction=pageVew&env=js-web&tag_version=4.4.0A%2P%2fcurids/tystn 	Respond Method: GFT
conversion/action+pageView&env+js-web&tag_version+_A%2F%2Fcuriosityst	negues mesmau ver Status Gode = 000 (from disk cache)
[01++40258028tm+gtm0028Ver+28mid+a3b5a1ed.4485_432_m6288.t+957/	Setura Lode: # vov (rom state star) Remote Address: 2).53.4.69:44
seg_3,m4s	
sconttps/jourioitystreemcom/e9435c04-14:3-4ef9-93c0-4325etp242ef	Referrer Policy: strict-origin-when-cross-origin
I srg_4mts	Response Headers
() collect	accept-ranges: bytes
seg_5.m4s	access-control-allow-credentials: true
seg_2.m4s	access-control-allow-headers: origin, range, idot1, hints
🔲 seg_6.m4s	access control allow methods. GT, PCT, OTTOS
seg_7,m4s.	access-control-allow-origin: *
□ seg_8.m4s	access-control-expose-headers: Server_range_hdntl,hdnts,Akamai-Hon-Iucid-Ing,Akamai-Hon-Iucid-Del,Akamai-Request-BC
6	access-control-max-act: 56400
Seg_lim4s	alcasi unitor macing, geno
seg_4.m4s	
seg_5.m4s	cache-combrol: max-sge+16273346
🗆 seg_6.mis	content-length: 1992410
□ seg_7.m4s	content-type: video/mp4
seg_8/m4s	date Thu, 20 Jan 2022 03:06:44 GHT
i results	etag: "c9753c81ca996ceb8cf6778ebce87629"
trackTaction=timeSpent&env=js-web&tag_version=4.4_A%2F%2Fcuriositystre	expires: wed, 27 Jul 2022 11:29:10 GHT
collect?v=2&tid=G-GH3462EJ5M>m=2be1c0&_p=1131290_enham%2C%20	last-modified: Fri, 05 Har 2021 15:17:29 GHT
seg_9,m4s	server: Amazon\$3
E seg_8,m4s	x-amz-id-2: zSumvcTwf32t3kp/zmr6DncwaY9Z3YSVAnsG+3f8/dqSev/unC8dDw9T6uvKHdImu32kKSRqipH+

NQ.	Time	Source	Destnation	Protocol	Length Info
	\$775 34.830169	192,168.0.103	23.15.34.89	TLSv1.3	689 Client Hello
	5776 34.848336	192.168.0.1	192,168,8,183	DNS-	215 Standard query response #x94d4 A cdn-s3-akm.curiositystream.com CNAME cdn-s3-akm.curiositystream.com-v1.ak
	5777 34.000443	199.127.134.107	182,168,9,103	TCP	00 443 + 62333 [576, ACK] Segre Ack+1 Min+10000 Len+0 753+1400 M5+1 3ACK PERM+1
	\$778 34.860534	192.168.0.103	199.127.194.107	TCP	54 62932 + 443 [ACK] Seq=1 Ack+1 Win+131328 Len=8
	5779 34,868852	192.165.0.103	199.127.194.107	TL5v1.2	571 Client Hello
	5780 34,904270	25.15.34.89	192.168.0.103	TCP	54 443 = 62933 [ACK] Segw1 Ack+636 Win+30592 Len+0
	5781 34,907921	192.168.0.103	34,210,231,90	TLSV1.2	119 Application Data
	5782 34,908146	192.168.0,103	34.218.231.90	TL5v1.3	1376 Application Data
	5783 34.909495	23.15.34.89	193.165.0.103	TLSv1.3	318 Server Hello, Change Cipher Spec, Application Data, Application Data
	5784 34.910047	192.168.0.103	23.15.34.09	TLSV1,3	134 Change Cipher Spec, Application Data
	5785 34,910352	192.168.0.103	23,15.34.09	TL5V1.3	146 Application Data
	5786 34,910744	192.168.0.103	23,15,34,89	TL5v1.3	516 Application Data
	5787 34.053644	23.15.34.89	192.168.0.105	TLSv1.3	341 Application Data
	5788 34,985848	23.15.34.89	192.168.0.103	TLSV1.3	124 Application Data
	\$789 34,985892	192.168.0.183	23.15.34.89	TCP	54 62933 - 443 [ACK] Seq=1270 Ack=622 win=130560 Len=0
	5790 34.986873	192.168.0.183	23,15.34,89	TLSv1.3	85 Application Data
	5791 34,985198	23.15.34.89	192,168.0.103	TCP	1514 443 + 62933 [ACK] Seq+622 Ack+1270 Win+31744 Len+1460 [TCP segment of a reassembled PDU]
	5792 34.986198	23.15.34.89	192.168.0.103	TLSv1.3	300 Application Data
	\$793 34.986216	192.168.0.103	23.15.34.89	TCP	54 62933 + 443 [ACK] Seq=1301 Ack=2337 Win=131328 Len=0
	5794 35.042988	192.168.0.103	23.15.34.89	TL5V1.8	182 Application Data
	5795 35.044001	192.168.0.103	23.15.34.89	TL5v1.3	IB3 Application Data
	\$796 35.065477	192.168.0.103	23.15.34.89	TLSV1.3	172 Application Data
	5797 35.065798	192,166.0,103	23.15.34.09	TLSV1.3	173 Application Data
	5758 35.057889	199.127.194,107	192.168.8.105	TCP	86 443 + 52934 [578, ACK] Segrel Ack+1 Min+10000 Lenvel 755+1400 16-1 SACK [F88+0
	5799 35,067957	192.168.0.103	199,127,194.107	TCP	54 62934 + 443 [ACK] Seg=1 Ack=1 kin=131328 Len=8
	5800 35,068281	192.168.0.103	199,127,194.107	TL5v1.2	571 Client Hello
	5801 35.009558	23.15.34.89	192.168.0.103	TCP	54 443 + 62933 [ACK] Seq=2337 Ack=1301 Win=31744 Len=0
	5882 35,116149	23.15.34.89	192.168.0.103	TCP	54 443 + 62933 [ACK] Seg=2337 Ack=1429 Win=33024 Len=8
	5883 35,116399	23.15.34.89	192,168.8,103	TCP	54 443 + 62933 [ACK] Seq=2337 Ack=1558 Win=34304 Len=0
	5804 35.117357	23.15.34.89	192.168.0.103	TLSv1.3	1312 Application Data



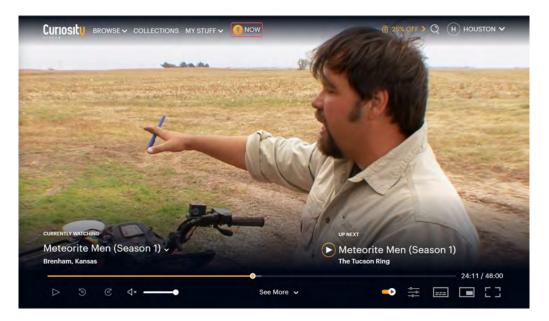




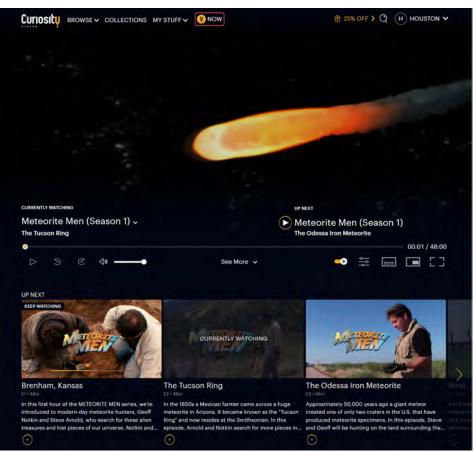
Name	* Headers Preview Response Initiator Timing				
Tid=14187280984275025ev=playbeck_start5xd=https%3A_ee6bt25ec4794d73 +	* General				
Dt	Request URL: https://cdn-si-akm.curiositystream.com/bitmovin-outputs/CDP_Prescriptionsutrition_1_Revi.mov/audio/preview/en/seg_S_m44				
touch-icon,ong	Request Method: GFT				
Collectly=26tio=G-GH3462EI5M6igtm=20e1c06_p=2897459_reenfil20Revolu	Status Code: 288				
seg_2.m4s	Remote Address: 23,15,34,57:443				
🗋 seg_2.m4s	Referrer Policy: strict-origin-when-cross-origin				
seg_3.m4s	Hereiner Holicy: stratt-oragan-when-cross-oragan				
🗋 seg_4.m4s	* Response Headers				
seg_3.m4s	accept-ranges: bytes				
- sprite.jog	access-control-allow-credentials: true				
🖸 seg_5.m4s	access-control-allow-headers: origin, range, hdntl, hdnts				
0 seg_4.m4s	access-control-allow-methods: GBT_POST_OPTIONS				
seg.6m4s	access-control allow-origin: *				
) 999/ 1992,7m44 1992,5m44 1992,6m44 1992,6m44 1992,6m44	access-control-expose-headers: Server,Fange,hdntl,hdnts,akama1-Hon-Jucid-Ing,Akama1-Hon-Jucid-Del,Akama1-Repuest-BC access-control-maxa-aon: 86440				
	cache-controls max-age=5534648				
	Trackfaction+timeSpent&env+js-web&tag_version+4.4s%34%2F%2Fouriesity	content-length: 79678			
collect	content-type: v1deo/mp4				
□ seg_7.m4s	date: Thu, 20 Jan 2022 03:37:00 GHT				
3 seg_9.m4s	etag: "dfa6879b6d2821d21a8ff0b15ecbaas"				
C) seg_8.m4s	expires: Tue, 05 Apr 2022 18:37:48 GHT				
Seg_9.m4s	last-modified: Sun, 21 Apr 2019 03:55:11 GMT				
seg_10.m4s	server: AnazonS3				
seg_10/m4s	x-amz-id-2: /JV9U7jI3+b5ugkp3IPLN3dkqlvUhQ6oezvaINJedleD0Vts2Fs/11480+xyRsT/z8M8Fvb4Nv+				
C colect	x-amz-request-ld: RH20EP64R258DH3T				

io,	Tme	Source	Destination	Protocol	Length Info
	875.89.434762	F5. 186.276.184	192.168.0.183	TOP	54 440 + 60000 [FIN, ACK] Seget Acked win-200 Lenve
	676 49.434834	192.168.0.103	35.186.226.184	TCP	54 63868 + 443 [ACK] Seq+3 Ack+2 Win+510 Len+0
	677 49,460001	192,168.0.1	192.168.0.103	DNS	215 Standard query response 0xa741 A cdn-s3-akm.curiositystream.com CNAME cdn-s3-akm.curiositystream.com-v1.aka
	575 49.45amilts	192.168.0.103	21.15, 34, 57	TOP	66 62910 + 443 [\$V7i] Segue kin+64240 Lenvil MSS-1468 xS+256 SACK PERMI
	879 49.549289	23.15.34.57	192.108.0.193	TOT	68 445 - 65910 [SWI, ACK] Seq-8 Ack-1 80/0/29208 Lenvil PS3+1468 SACK FEMILA VS+128
	684 49.549361	192,168.0,183	23.15.34.57	TCP	54 63918 + 443 [ACK] Seq+1 Ack×1 Win+131328 Len+8
	681 49.550135	192.168.0.103	23.15.34.57	TLSv1.3	
	682 49,634618	23.15,34.57	192.168.0.103	TCP	54 443 = 63910 [ACK] Seq=1 Ack+636 Hin=30592 Len=0
	683 49.634986	23,15,34,57	192.168.0.103	TLSv1.3	318 Server Hello, Change Cipher Spec, Application Data, Application Data
	684 49:635382	192,168.0.103	23.15.34.57	71.5v1.3	134 Change Cipher Spec, Application Data
	685 49.635595	192.168.0,103	23.15.34.57	7LSv1.3	146 Application Data
	686 49.635878	192,168.0.103	23.15.34.57	7LSv1.3	506 Application Data
	687 49.729364	23.15.54.57	102,168.0,103	TL5v1.3	341 Application Data
	688 49.720364	23,15.54.57	192.168.0.103	TLSv1.3	
	689 49.720481	197.168.0.103	23.15.34.57	TEP	54 63910 + 443 (ACK) Seq=1200 Ack=022 Win=130000 Lem=0
	698 49.728718	192.168.0.183	23.15.34.57	TLSVI.3	85 Application Data
	691 49,721400	10,15.54,57	192.108.0.183		1514 [TCP Previous segment not captured] , Continuation Data
		1021168-01103	28115134157		68 [TCP Dup ACK 680981] 63910 + 443 [ACK] Seq=1291 Ack=822 MLn=130500 Len=0 SLE=2082 SRE=1342
			182,168.0.181		1514 [TCP Dut-Of-order] 443 + 63910 [ACR] Seq=622 Ack=1260 Win=31744 Lem=1460
	694 49,723125	192,168.0,103	23.15.34.57	TCP	54 63910 + 443 [ACK] Seq=1291 Ack=3542 Win=131326 Len=0
	695 49,723403	23.15.34.57	192.168.0.103	TLSv1.3	1514 Continuation Data
	696 49,723403	23.15.34.57	192.168.0.103	TL5v1.3	1514 Continuation Data
	697 49.723469	192.168.0.103	23.15.34.57	TCP	54 63010 + 443 [ACK] Seq-1201 Ack-6462 Win-131325 Len-0
	608 60.724273	23, 15, 14, 57	192,168.07183		1514 [TCP Previous segment not captured] , Continuation Data
	699 49.724355	192,168.0.103	23.15.34.57		66 [TCP Dop ACK 097#1] 63910 - 443 [ACK] Seg-1291 ACK-6462 Win-131328 Len-8 SLE-9367 SRE-18827
	700 49.724693	13,15,14,57	192,108.0,103		1499 [TCP Dut-Of-Order] 443 + 03010 [PSH, ACK] Seq=0462 Ack=1200 Hin=31744 Lem=1445
	701 49:724693	25.15.54.57	193,168.0,193		1314 [TCP Dvt-0f-Order] 443 + 63910 (ACK) Seg-7907 Ack-1260 Win-31744 Len-1468
	702 49,724771	192.168.0.103	23.15.34.57	TCP	66 63910 + 443 [ACK] Seq=1291 Ack=7907 Win=129792 Len=0 5LE=9367 SRE=10827
	703 49,724911	192,168.0,103	23.15.34.57	TCP	54 63918 + 443 [ACX] Seq=1291 Ack=10827 Win=131328 Len=0
	764 49,725443	23.15.34.57	192.165.0.103	TL5v1.3	1514 Continuation Data

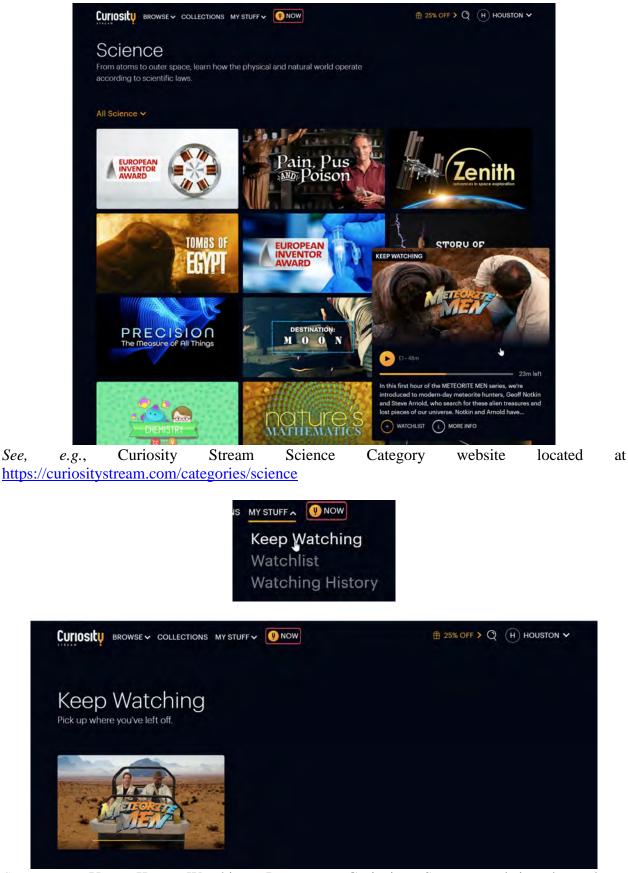
See, e.g., TV Show Information Page for "Prescription: Nutrition" on Curiosity Stream website located at <u>https://curiositystream.com/video/1792</u>



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See, e.g., TV Show Information Page for "Meteorite Men" on Curiosity Stream website located at https://curiositystream.com/video/4175



See, e.g., User Keep Watching Page on Curiosity Stream website located at

https://curiositystream.com/browse/watching

130. The CS Application system comprises an owner of the node server being offered an incentive as compensation for transmission of the specified content to the client. For example, the use of third-party servers by the CS Application for the distribution of content to the user's device necessitates at least payment of monetary compensation for said hosting, including on a transactional basis or lump payment for set data limit basis, or as otherwise stated in the agreement between CSI and any third-party whose server is used by the CS Application.

131.CSI has directly infringed, and continues to directly infringe, the claims of the '376 Patent, including at least those noted above, including by making and using the CS Application system in violation of 35 U.S.C. § 271(a). Further, including at least to the extent CSI provides and/or supplies software running on a user's computer, the direct infringement of users that occurs in connection with CSI's applications and/or web services occurs under the direction or control of CSI.

132. Defendant has had at least constructive notice of the '376 Patent since at least its issuance. Defendant will have been on actual notice of the '376 Patent since, at the latest, the service of this Complaint. Further, Defendant is being made aware of infringement of the '376 Patent through use of the CS Application system at least via the infringement allegations set forth herein. Such direct infringement has been and remains clear, unmistakable, and inexcusable. On information and belief, Defendant knew, or should have known, of the clear, unmistakable, and inexcusable direct infringing conduct at least since receiving notice of the '376 Patent. Thus, on information and belief, Defendant has, at least since receiving notice of the '376 Patent, specifically intended to directly infringe.

133.QTI believes and contends that, at a minimum, CSI's knowing and intentional post-suit continuance of its unjustified, clear, and inexcusable infringement of the '376 Patent since

receiving notice of its infringement of the '376 Patent, is necessarily willful, wanton, malicious, in bad-faith, deliberate, conscious and wrongful, and it constitutes egregious conduct worthy of a finding of willful infringement. Accordingly, at least since receiving notice of this suit, CSI has willfully infringed the '376 Patent.

B. Infringement Via L25 Application

134.Further, additionally and/or in the alternative, CSI has infringed, and is now infringing, the '376 Patent, including at least claims 37 and 57, in this judicial district and elsewhere, in violation of 35 U.S.C. § 271 through actions comprising the practicing, without authority from Plaintiff, systems and methods for obtaining and aggregating contact information from a plurality of messaging services providers via CSI's L25 Application system, including as claimed in the '376 asserted claims. On information and belief, CSI practices the claimed methods and provides the claimed systems with and via its L25 Application system comprising the L25 website at www.learn25.com.

135. Without limitation, the accused system comprising the L25 Application system that comprises a computer readable medium or media encoded with one or more computer programs including instructions for effecting the provision of content over a network, comprising: instructions for receiving a request from a client for specified content; instructions for communicating to the client the identity of a node server having the specified content stored thereon, thereby enabling the client to request transmission of the specified content from the node server; and instructions for ascertaining that the node server transmitted the specified content to the client, wherein an owner of the node server is offered an incentive as compensation for transmission of the specified content to the client.

136.Without limitation, and for example, the accused instrumentality comprising the L25 Application system practices said methods to effect the provision of content over a network,

79

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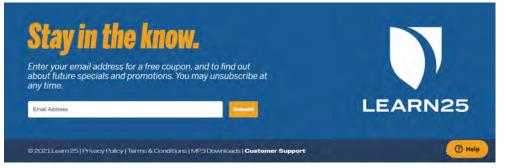
comprising the steps of: identifying at a core server a network site that will act as a node server for distribution of specified content; providing from the core server the specified content to the node server; receiving at the core server a request from a client for the specified content; communicating from the core server the identity of the node server to the client to enable the client to request transmission of the specified content from the node server; and ascertaining at the core server that the node server transmitted the specified content to the client, wherein an owner of the node server is offered an incentive as compensation for transmission of the specified content to the client.

137.Further, the L25 Application system comprises computer readable storage media and methods which permit CSI's server to identify a remote server to which the L25 Application system provides specified content such that a client may request specified content from CSI's server, which directs the client to the node server containing the specified content so that the client may obtain the specified content from the node server, wherein CSI's server is notified by the node server that the content has been transferred and the owner of the node server is offered an incentive as compensation for the transmission thereof.

138.For example, the L25 Application system permits the streaming of media content over a network from third-party servers to a user's device, wherein said streaming occurs, *inter alia*, via CSI's servers providing the identity of a third-party server to the user's device, in response to the user's request to view media content provided by CSI, wherein the server identified is one which contains the content requested:





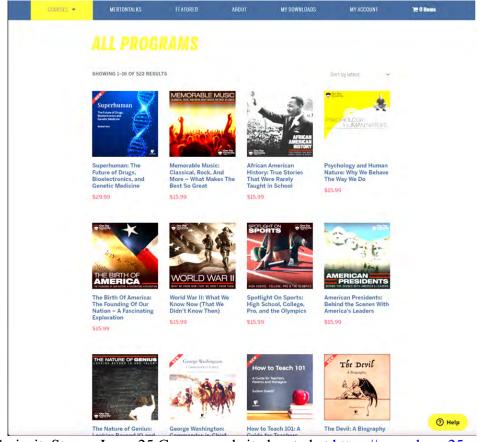


CATEGORIES

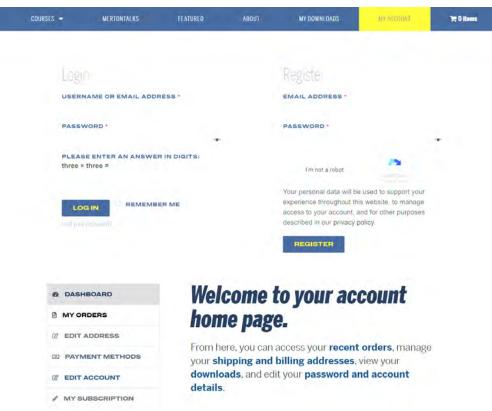
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BROWSE			
BESTSELLERS	NEW RELEASES	ONE DAY UNI	VERSITY
ALL PROGRAMS	BY PROFESSOR		
BY SUBJECT			
PSYCHOLOGY & NEUROSCIENCE	CATHOLIC COURSES	LITERATURE	& LANGUAGE
SCIENCE	HISTORY COURSES	BIOGRAPHIE	3
THOMAS MERTON	HEALTH & BETTER LIVING	PHILOSOPHY	COURSES

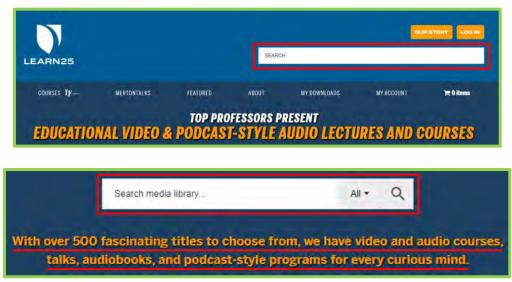
See, e.g., CuriosityStream Learn25 website located at https://www.learn25.com/



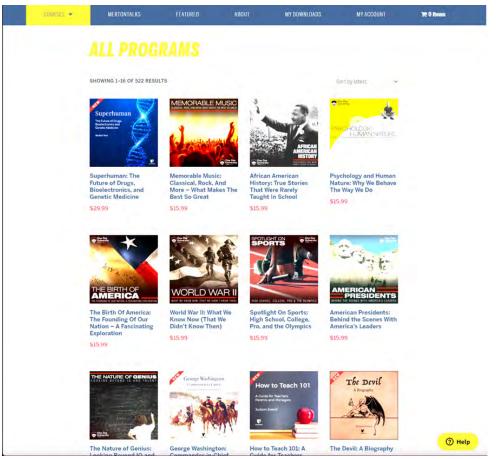
See, e.g., CuriosityStream Learn25 Courses website located at <u>https://www.learn25.com/product-category/all-programs/</u>



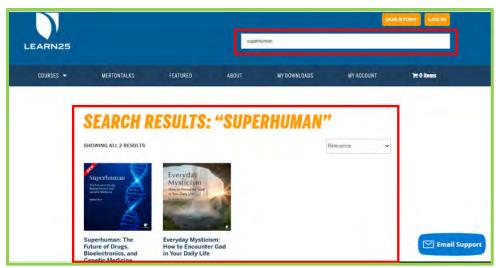
See, e.g., CuriosityStream Learn25 My Account website located at <u>https://www.learn25.com/my-account/</u>



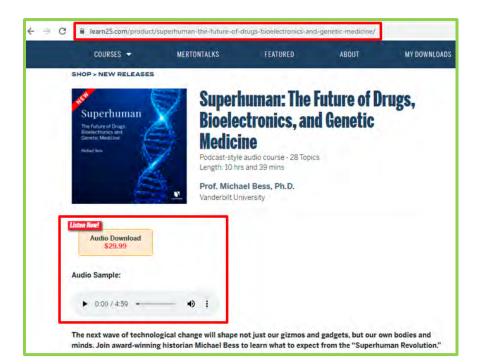
See, e.g., CuriosityStream Learn25 website located at https://www.learn25.com/

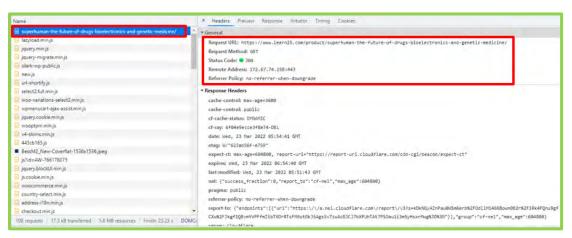


See, e.g., CuriosityStream Learn25 Courses website located at <u>https://www.learn25.com/product-category/all-programs/</u>

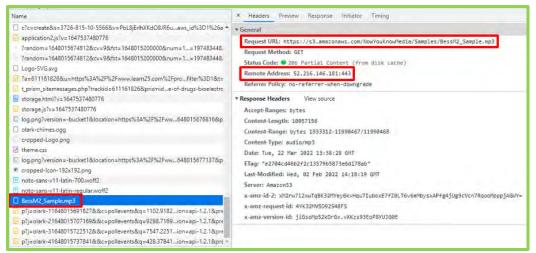


See, e.g., Search Results page for "superhuman" on CuriosityStream Learn25 website located at <u>https://www.learn25.com/?s=superhuman&post_type=product&type_aws=true&aws_id=1&aws_filter=1</u>





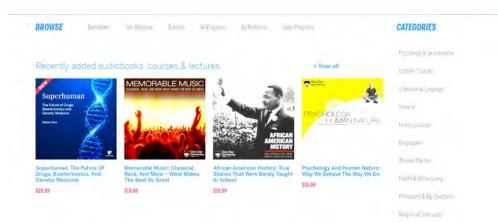
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head>
<style>img.lazy(min-height:1px)</style>
<pre><link as="script" href="https://www.learn25.com/wp-content/plugins/w3-total-cache/pub/js/lazyload.min.js" rel="preload"/></pre>
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<pre><meta content="width=device-width, initial-scale=1.0, viewport-fit=cover" name="viewport"/></pre>
<script async="" src="https://diffuser-cdm.app-us1.com/diffuser/diffuser.js"></script>
<pre>cscript type="text/javascript" async src="https://www.gstatic.com/receptcha/releases/2uo134h3MULoP9y eBNFUGCB/receptcha en.is" prossorigin="anonymous" integrity="sha384-8b1FYxK808274608i</pre>
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<pre><script async="" src="https://www.googleadservices.com/pagead/conversion async.is" type="text/lavascript"></script></pre>
<pre><script async="" src="//static.olark.com/isclient/loaden.is"></script></pre>
<script>_</script>
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<pre><neta content="index, follow, max-image-preview:large, max-snippet:-1, max-video-preview:-1" name="robots"></neta></pre>
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<pre><title>Superhuman: The Future of Drugs, Bioelectronics, and Genetic Medicine LEARN25</title> == 50</pre>
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See, e.g., Audio Player Page for "Superhuman: The Future of Drugs, Bioelectronics, and Genetic Medicine" on CuriosityStream Learn25 website located at <u>https://www.learn25.com/product/superhuman-the-future-of-drugs-bioelectronics-and-genetic-medicine/</u>

139. The L25 Application system comprises instructions for receiving a request from a client for specified content. For example, the L25 Application provides the user's device with code which permits the user's browser to, *inter alia*, display the CSI website, browse the content available for streaming, and select specific content to view, wherein CSI's servers receive and interpret code from the user's device indicating the content the user has chosen to view:





A calaction of user favorites

BROWSE			
BESTSELLERS	NEW RELEASES	ONE DAY UNIVERSITY	
ALL PROGRAMS	BY PROFESSOR		
BY SUBJECT			
PSYCHOLOGY & NEUROSCIENCE	CATHOLIC COURSES	LITERATURE & LANGU	AGE
SCIENCE	HISTORY COURSES	BIOGRAPHIES	
THOMAS MERTON	HEALTH & BETTER LIVING	PHILOSOPHY COURSES	3

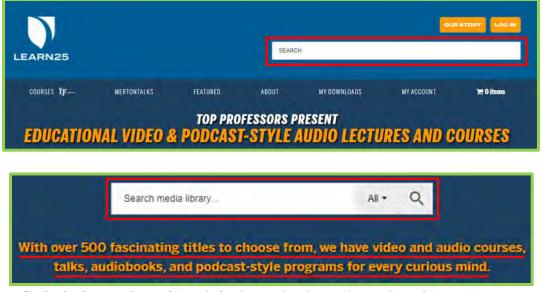
Name	× Headers Preview Response Initiator Timing Cookies
www.learn25.com	▼ General
Iszyload.minjs front.min.css jquery.minjs jquery.minjs jaury-migrate.minjs olark-wp-public.js newjs	Request URL: https://www.learn25.com/ Request Method: GET Status Code: © 200 Remote Address: 104.26.11.74:443 Referrer Policy: strict-origin-when-cross-origin
url-shortifyjs select2.full.tminjs woo-variations-select2.minjs woo-variations-select2.minjs wymenucart-ajax-assist.minjs jugury.cookie.minjs wooptpmr.minjs w4-shims.minjs J45ch165.j jugury.blockUl.tminjs jscookie.minjs woocommerce.minjs woocokie.merce.minjs woocokie.merce.minjs woocokie.merce.minjs woocokie.merce.minjs mode.ghp?static=0&id=3&6239612E966A8&nostyles=0&preview= p.css?s=1&&krayc4.hbcht=t.kbd=30004.30810.30811.3081867.3087 IPrimmer=7.cdcb44be4a7db8877fds50007b8d865b3bbc38831fe2e Torimer=7.cdcb44be4a7db877fds50007b8d865b3bbc38831fe2e	<pre>* Response Headers cache-control:max-age=3600, public cf-cache-status: DYNAMIC cf-ray: 6efc96e7d8858adc-DEL content-encoding: br content-type: text/html; charset=UTF-8 date: Tue, 22 Mar 2022 09:39:59 GWT expect-d: max-age=664800, report-uri="https://report-uri.cloudflare.com/cdn-cgi/beacon/expect-ct" expires: Tue, 22 Mar 2022 06:39:58 GWT last-modified: Tue, 22 Mar 2022 06:39:58 GWT link: <https: wp-json="" www.learn25.com=""></https:>; rel="https://api.w.org/" link: <https: 50042="" pages="" v2="" wp="" wp-json="" www.learn25.com="">; rel="alternate"; type="application/json" link: <https: td="" w<="" wp-json="" www.learn25.com=""></https:></https:></pre>



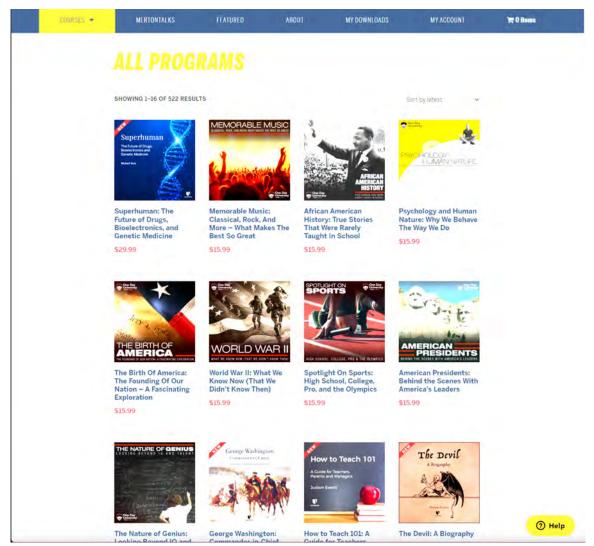
See, e.g., CuriosityStream Learn25 website located at https://www.learn25.com/

COURSES 🔻	MERTONTALKS	FEATURED	ABOUT	MY DOWNLOADS	MV ACCOUNT	Y 0 itoms
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100		ER ME		Your personal data will be experience throughout thi access to your account, a described in our privacy p	s website, to manage ind for other purposes	
				REGISTER		
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	ADDRESS	поп	ie page	8.		
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2 EDIT	ACCOUNT		ads, and edi	t your password a		
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See, e.g., CuriosityStream Learn25 My Account website located at <u>https://www.learn25.com/my-account/</u>

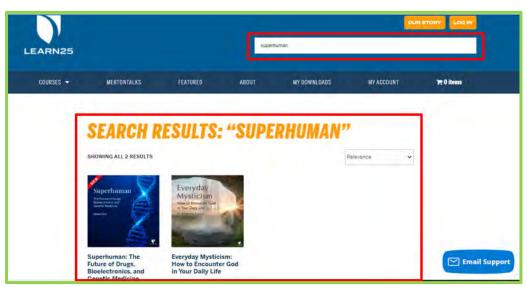


See, e.g., CuriosityStream Learn25 website located at https://www.learn25.com/

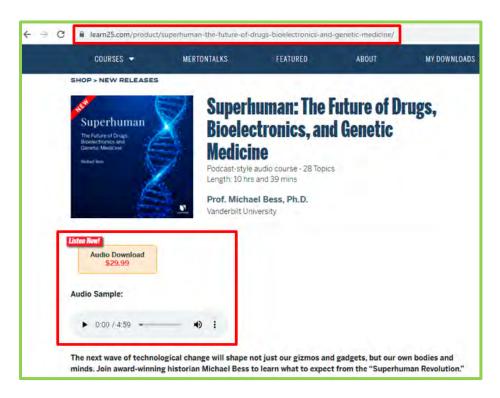


See, e.g., CuriosityStream Learn25 Courses website located at https://www.learn25.com/product-

category/all-programs/



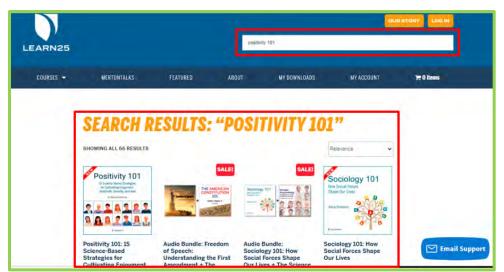
See, e.g., Search Results page for "superhuman" on CuriosityStream Learn25 website located at <u>https://www.learn25.com/?s=superhuman&post_type=product&type_aws=true&aws_id=1&aws_filter=1</u>





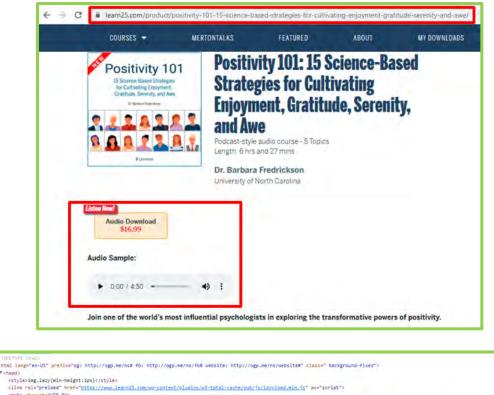
See, e.g., Audio Player Page for "Superhuman: The Future of Drugs, Bioelectronics, and Genetic Medicine" on CuriosityStream Learn25 website located at

https://www.learn25.com/product/superhuman-the-future-of-drugs-bioelectronics-and-genetic-medicine/



See, e.g., Search Results page for "positivity 101" on CuriosityStream Learn25 website located at

https://www.learn25.com/?s=positivity+101&post_type=product&type_aws=true&aws_id=1&a ws_filter=1



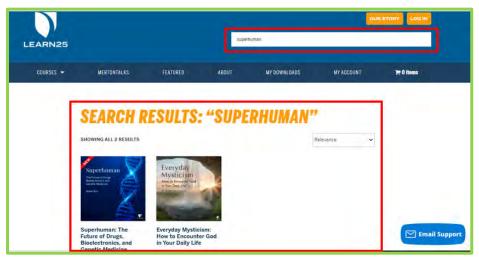


See, e.g., Audio Player Page for "Positivity 101: 15 Science-Based Strategies for Cultivating Enjoyment, Gratitude, Serenity, and Awe" on CuriosityStream Learn25 website located at <u>https://www.learn25.com/product/positivity-101-15-science-based-strategies-for-cultivating-enjoyment-gratitude-serenity-and-awe/</u>

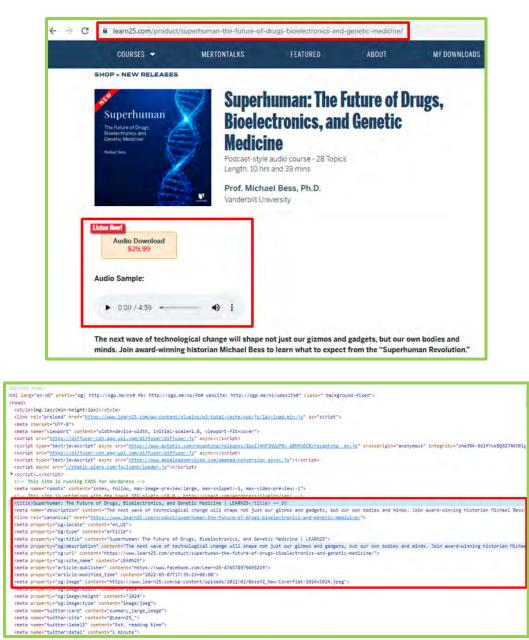
544 11.067197	192.168.0.103	142.250,206.164	UDP	75 65143 + 443 Len=33
545 11.075817	192.168.0.103	192.168.0.1	DNS	75 Standard query 0x71b5 A www.learn25.com
546 11.090594	192.168.0.1	192.168.0.103	DNS	123 Standard guery response 0x71b5 A www.learn25.com A 172.67.74.158 A 104.26.11.74 A 104.26.10.74
547 11.091234	192.168.0.103	172.67.74.158	TCP	66 57056 + 443 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1
548 11.125276	142.250,206.164	192.168.0.103	UDP	108 443 → 65143 Len≈66
549 11.125575	192.168.0.103	142.250.206.164	UDP	78 65143 + 443 Len=36
550 11,126790	142.250.206.164	192.168.0.103	UDP	68 443 → 65143 Len=26
551 11.134162	192.168.0.1	192.168.0.103	DNS	123 Standard query response 0x71b5 A www.learn25.com A 172.67.74.158 A 104.26.11.74 A 104.26.10.74
552 11.13/200	142.250.200.104	192.168.0.103	UDP	/9 445 → 65145 LEn=3/
553 11.137451	192.168.0.103	142.250.206.164	UDP	78 65143 + 443 Len=36
554 11.139103	142,250,206,164	192.168.0.103	UDP	68 443 → 65143 Len≈26
555 11.152091	172.67.74.158	192,168.0.103	TCP	66 443 + 57056 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1400 SACK PERM=1 WS=1024
556 11.152192	192.168.0.103	172.67.74.158	TCP	54 57056 + 443 [ACK] Seg=1 Ack=1 Win=131584 Len=0

576 13.965131	192,168.0.103	142.250.195.2	QUIC	1292 Initial, DCID=0fc55a209bbd3d55, PKN: 2, ACK, PADDING
577 13.999165	192,168.0.103	104,26.11.74	TCP	66 59272 → 443 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1
578 14.029102	142.250.195.2	192.168.0.103	QUIC	207 Protected Payload (KP0)
579 14.029711	192.168.0.103	142.250.195.2	TCP	66 59273 - 443 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1
580 14.029751	142.250.195.2	192,168.0.103	QUIC	1292 Handshake, SCID=0fc55a209bbd3d55
581 14.029881	142.250.195.2	192,168.0.103	QUIC	1292 Handshake, SCID=0fc55a209bbd3d55
582 14.030092	142.250.195.2	192.168.0.103	QUIC	1292 Handshake, SCID=0fc55a209bbd3d55
583 14.030480	192.168.0.103	142.250.195.2	QUIC	84 Handshake, DCID=0fc55a209bbd3d55
584 14.030934	192.168.0.103	142.250.195.2	QUIC	84 Handshake, DCID=0fc55a209bbd3d55
585 14.031432	192.168.0.103	142.250.195.2	QUIC	83 Handshake, DCID=0fc55a209bbd3d55
586 14.039302	192.168.0.103	142.250.195.2	QUIC	125 Handshake, DCID=0fc55a209bbd3d55
587 14.039610	192.168.0.103	142.250.195.2	QUIC	113 Protected Payload (KP0), DCID=0fc55a209bbd3d55
588 14.040173	192.168.0.103	142.250.195.2	QUIC	1153 Protected Payload (KP0), DCID=0fc55a209bbd3d55
589 14.046896	104.26.11.74	192,168.0.103	TCP	66 443 → 59272 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1400 SACK_PERM=1 NS=
590 14.046990	192.168.0.103	104.26.11.74	TCP	54 59272 → 443 [ACK] Seq=1 Ack=1 Win=131584 Len=0
591 14.047254	192.168.0.103	104.26.11.74	TLSv1.3	571 Client Hello
592 14.075960	142,250,195.2	192,166.0.103	TCP	66 443 → 59273 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1430 SACK PERM=1 WS=
593 14.076054	192,168.0.103	142,250,195.2	TCP	54 59273 → 443 [ACK] Seq=1 Ack=1 Win=131328 Len=0
594 14.076278	192.168.0.103	142,250,195.2	TLSv1.2	571 Client Hello
595 14.085312	142.250.195.2	192,168.0.103	QUIC	960 Protected Payload (KP0)
596 14.086363	142.250.195.2	192,168,0.103	QUIC	135 Protected Payload (KP0)
597 14.086363	142.250.195.2	192,168.0.103	QUIC	69 Protected Payload (KP0)
598 14.091149	192.168.0.103	142,250.195.2	QUIC	76 Protected Payload (KP0), DCID=0fc55a209bbd3d55
599 14.093770	104.26.11.74	192.168.0.103	TCP	60 443 → 59272 [ACK] Seq=1 Ack=518 Win=68608 Len=0
600 14.097103	104.26.11.74	192.168.0.103	TLSv1.3	1514 Server Hello, Change Cipher Spec
601 14.097103	104.26.11.74	192.168.0.103	TLSv1.3	707 Application Data
602 14.097173	192.168.0.103	104.26.11.74	TCP	54 59272 → 443 [ACK] Seq=518 Ack=2114 Win=131584 Len=0
603 14.102751	192.168.0.103	104.26.11.74	TLSv1.3	118 Change Cipher Spec, Application Data
604 14.103076	192.168.0.103	104.26.11.74	TLSv1.3	146 Application Data
605 14.103500	192.168.0.103	104.26.11.74	TLSv1.3	1094 Application Data
606 14.103699	192.168.0.103	104.26.11.74	TLSv1.3	103 Application Data

140. The L25 Application system comprises instructions for communicating to the client the identity of a node server having the specified content stored thereon. For example, the L25 Application determines whether a third-party server contains the user's chosen content and transmits the identity, *e.g.*, IP address, of the server to the user's device:



See, e.g., Search Results page for "superhuman" on CuriosityStream Learn25 website located at <u>https://www.learn25.com/?s=superhuman&post_type=product&type_aws=true&aws_id=1&aws_filter=1</u>



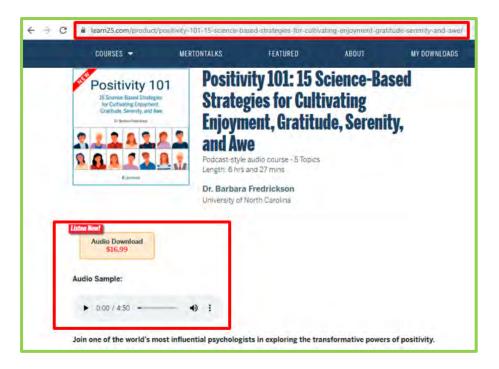
See, e.g., Audio Player Page for "Superhuman: The Future of Drugs, Bioelectronics, and Genetic Medicine" on CuriosityStream Learn25 website located at

https://www.learn25.com/product/superhuman-the-future-of-drugs-bioelectronics-and-genetic-medicine/



See, e.g., Search Results page for "positivity 101" on CuriosityStream Learn25 website located at

https://www.learn25.com/?s=positivity+101&post_type=product&type_aws=true&aws_id=1&a ws_filter=1



Name	* Headers Preview Response Initiator Timing Cookies
🗉 positivity-101-15-science-based-strategies-for-cultivating-enjoyment-gratitue	* General
🖃 lazyload min js	Request URL: https://www.learn25.com/product/positivity-101-15-science-based-strategies-for-cultivating-enjoyment-gratitude-serenit
🧧 jquery.min.js	V-and-awe/
🥃 jquery-migrate.min.js	Request Method: GET
olark-wp-publicjs	Status Codes
🔄 new.js	Remote Address: 104.25.10.74:443
🔄 url-shortify.js	Referrer Policy: no-referrer-when-downgrade
select2.full.min.js	Refer to Foury, norrest of million oblight one
- woo-variations-select2.min.js	* Response Headers
wpmenucart-ajax-assist.min.js	cache-control: max-age=3600
🧧 jquery.cookie.min.js.	cache-control: public
- wooptpm.min.js	cf-cache-status: DYNANIC
- v4-shims.min.js	cf-ray: 6f050ed58b281b8c-DEL
- 445cb165.js	date: Wed, 23 Mar 2022 06:17:08 GMT
Fredrickson81_New-Coverflat-1-1536x1536.jpeg	etau: W/*623abadf-f105*
js?idz.AW-766178075	expect-d: max-age=604500, report-uri="https://report-uri.cloudflare.com/cdn-cgi/beacon/expect-dt"
🧧 jquery.blockUl.min.js	explices: lied, 23 Har 2022 07:17:08 GHT
🧧 js.cookie.min.js	last-modified: Hed, 23 Mar 2022 06:14:55 GMT
- woocommerce.min.js	
country-select.min.js	<pre>nel: ("success_fraction":0, "report_to":"cf-nel", "max_age":604800}</pre>
- address-i18n.min.js	pragma: public
checkout.min.js -	referrer-policy: no-referrer-when-downgrade
110 requests 57.9 k8 transferred 4.6 M8 resources Finish: 19.74 s DOMC	report-to: ("endpoints":[{"url":"https:\/\/a.nel.cloudflare.com\/report\/v33s=czl/jk2x0%2F01PAszChYRIV4EmzRIGv(17bG3v5p7C5TtKuqUlf C6%2R640i.nhi&TDvvrCHv6OnF01FvMaiexixVmFHvfeert1756R015UPceFldVx0hib1VFCHv78F640ic0K30%30".3. "eronim":"cf-nel" "may age*:6848803



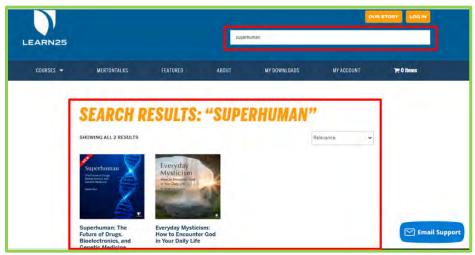
Name	× Headers Preview Response Initiator Timing
□ log.png?version=-bucket1&location=https%3A%2F%2Fww64801885584 ◆ ③ KFOmCnqEu92Fr1Mu4mxK.woff2	* General
	Request URL: https://s3.amazonaws.com/NowYouKnowMedia/Samples/FredricksonB1_Sample.mp3
cropped-lcon-192x192.png	Request Method: GET
noto-sans-v11-latin-700.woff2	Status Code: 206 Partial Content (from disk cache)
noto-sans-v11-latin-regular.woff2 Fredrickson81_Sample.mp3	Remote Address: 52,216,177.85:443 Referrer Policy: no-referrer-when-downgrade
KFOmCngEu92Fr1Mu4mxK.woff2	▼ Response Headers View source
KFOmCnqEu92Fr1Mu4mxK.woff2	Accept-Ranges: bytes
p?j=olark-11648018870475&&c=pollevents&q=4606.7047ion=api-1.2.1.	Content-Length: 8269160
p?j=olark-21648018885853&&c=pollevents&q=5618.8585ion=api-1.2.1.	Content-Range: bytes 3342336-11611495/11611496
■ p?j=olark-31648018901203&8cc=pollevents&q=2313.1203ion=api-1.2.1. ■ p?j=olark-416480189165548.&cc=pollevents&q=3600.1655ion=api-1.2.1. ■ p?j=olark-51648018931913&&cc=pollevents&q=59393191ion=api-1.2.1. ■ p?j=olark-51648018947273&&cc=pollevents&q=9039.4727on=api-1.2.1. ■ p?j=olark-516480189462148&cc=pollevents&q=9039.4727on=api-1.2.1. ■ p?j=olark-1644018945248&cc=pollevents&q=9039.4727on=api-1.2.1. ■ p?j=olark-16480189462148&cc=pollevents&q=7048.6621jon=api-1.2.1.	Content-Type: audio/mp3
	Date: Tue, 22 Mar 2022 13:06:37 GMT
	ETag: "eb009991b4df5f3a54bf153501acccab"
	Last-Modified: Wed, 14 Jul 2021 17:03:06 GMT
p?j=olark-81648018977973&&c=pollevents&q=2407.7797on=api-1.2.1.	Server: AmazonS3
p?j=olark-91648018993333&&c=pollevents&q=9153.9333on=api-1.2.1.	x-amz-id-2: YZeeZAwEo7t010RcCYTv133ga/FAeGYXh51NXW4+5oFT7doB1c/pfNN3vtqhuXkiIn5LefhXYw8
p?j=olark-101648019008692&&c=pollevents&g=7002.869ion=api-1.2.1.	x-amz-request-id: Y8CARKN9R7HK9M1J x-amz-version-id: P3MykzCdtAbVp1UTa08rxoVCTumwjyLZ
p;j=olark-111648019024042&&c=pollevents&q=6839.240on=api-1.2.1.	
prj=olark-1110400190240426462901events84g=00552405.001=api-1.2.1.	
prj=drark-1210480190595904040=pdilevents8d=9405.595on=api-1.2.1.	

See, e.g., Audio Player Page for "Positivity 101: 15 Science-Based Strategies for Cultivating Enjoyment, Gratitude, Serenity, and Awe" on CuriosityStream Learn25 website located at <u>https://www.learn25.com/product/positivity-101-15-science-based-strategies-for-cultivating-enjoyment-gratitude-serenity-and-awe/</u>

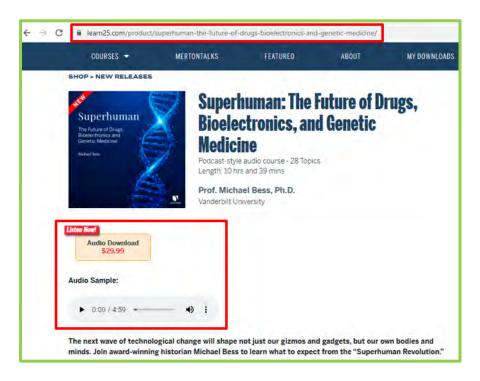
141. The L25 Application system enables the client to request transmission of the specified

content from the node server. For example, the L25 Application instructs and/or controls the user's

browser on the user's device running code to connect to the identified third-party server, including via the server's IP address, where the user's device then requests the chosen content be transmitted:



See, e.g., Search Results page for "superhuman" on CuriosityStream Learn25 website located at <u>https://www.learn25.com/?s=superhuman&post_type=product&type_aws=true&aws_id=1&aws_filter=1</u>





See, e.g., Audio Player Page for "Superhuman: The Future of Drugs, Bioelectronics, and Genetic Medicine" on CuriosityStream Learn25 website located at

https://www.learn25.com/product/superhuman-the-future-of-drugs-bioelectronics-and-genetic-medicine/



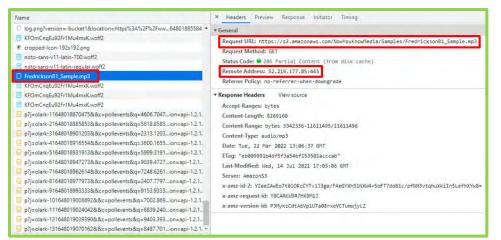
See, e.g., Search Results page for "positivity 101" on CuriosityStream Learn25 website located at

https://www.learn25.com/?s=positivity+101&post_type=product&type_aws=true&aws_id=1&a ws_filter=1

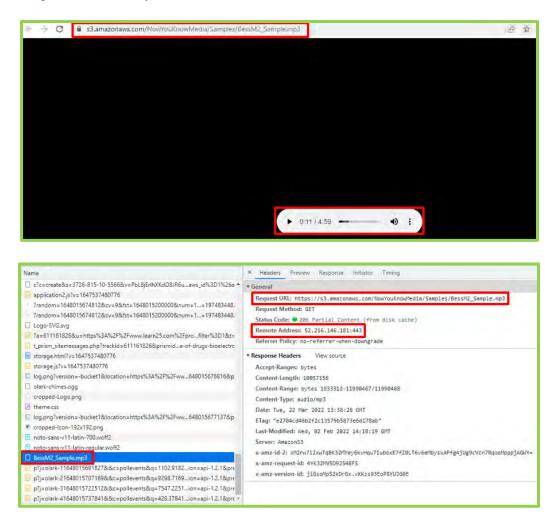


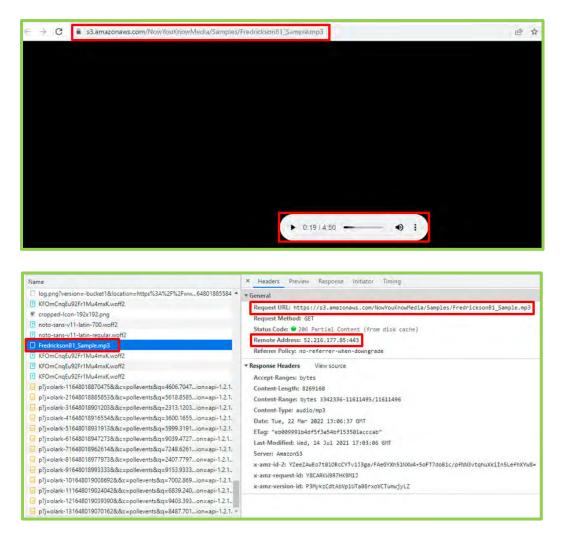
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 jquery.min.js 	v-and-axe/
🖃 jquery-migrate.min.js	Request Method: QET
 olark-wp-public.js. 	Status Code: • 304
🖃 newjs	Remote Address: 104.26.10.74:443
url-shortify.js	Referrer Policy: no-referrer-when-downgrade
select2.full.min.js	Referred Foreign normality into the state of
woo-variations-select2.min.js	* Response Headers
wpmenucart-ajax-assist.min.js	cache-control: max-age=3600
jquery.cookie.min.js.	cache-control: public
wooptpm.min.js	cf-cache-status: DYNAMIC
🧧 v4-shims.min.js	cf-ray: 6f050ad58b281b8c-DEL
- 445cb165.js	date: Wed, 23 Nar 2022 06:17:08 GMT
Fredrickson81_New-Coverflat-1-1536x1536.jpeg	etaq: M/~623abadf-f105"
js?id=AW-766178075	expect-ct max-age=604800, report-uri="https://report-uri.cloudflare.com/cdn-cki/beacon/expect-ct"
jquery.blockUl.min.js	expires: Hed, 23 Mar 2022 07:17:08 GHT
js.cookie.min.js	last-modified: ted, 23 Mar 2022 06:14:55 0MT
- woocommerce.min.js	met: ("success.fraction":0,"report to":"cf-nel","max_sge":604800)
country-select.min.js	pragma: public
address-i18n.min.js	
checkout.min.js	referrer-policy: no-referrer-uhen-downgrade
110 requests 57.9 k8 transferred 4.6 M8 resources Finish: 19.74 s	report-to; ("endpoints":[{"url":"nttps:///a.nel.cloudflare.com/report//v3?srczNjk2xQ%2F61PAszCHYRIV4EmzRIGvC17b63vSp7C5TtKuqU1 C6%2R6j0/nhi8TDryvCHk600F0TF/M0imk1nxDFU/feet1175nRDNSDPet1cDX0h1h1VF0k78F6MNnO%3D%3D"11 "ennum":"rf-ne1" "may mer":6848883



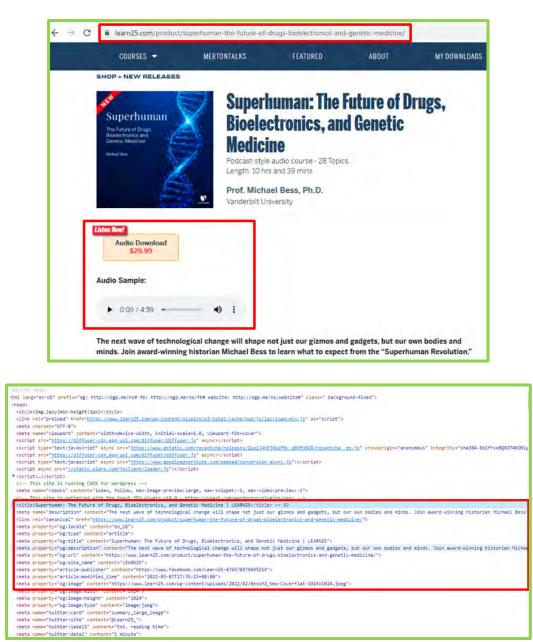


See, e.g., Audio Player Page for "Positivity 101: 15 Science-Based Strategies for Cultivating Enjoyment, Gratitude, Serenity, and Awe" on CuriosityStream Learn25 website located at <u>https://www.learn25.com/product/positivity-101-15-science-based-strategies-for-cultivating-enjoyment-gratitude-serenity-and-awe/</u>





142. The L25 Application system comprises instructions for ascertaining that the node server transmitted the specified content to the client. For example, the L25 Application receives updates from the user's device and/or the third-party server indicating that all, or a part, of the content has been transferred to the user's device, which may occur in smaller pieces or "chunks," and the L25 Application updates the CSI webpage for the user to indicate that at least a portion of the content has already been viewed:



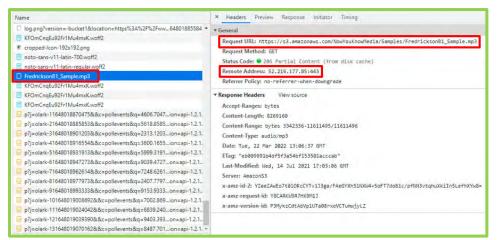
See, e.g., Audio Player Page for "Superhuman: The Future of Drugs, Bioelectronics, and Genetic Medicine" on CuriosityStream Learn25 website located at

https://www.learn25.com/product/superhuman-the-future-of-drugs-bioelectronics-and-genetic-medicine/

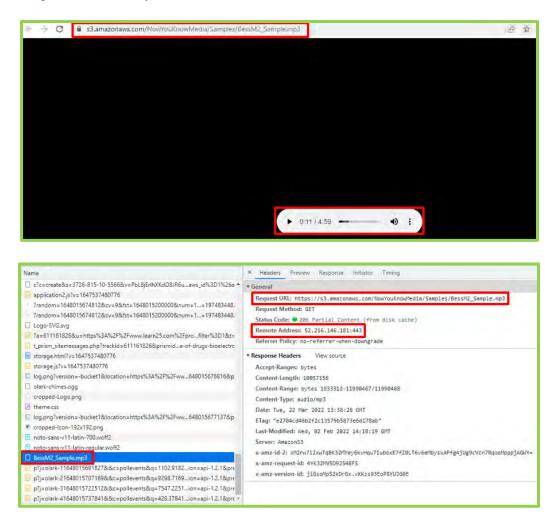


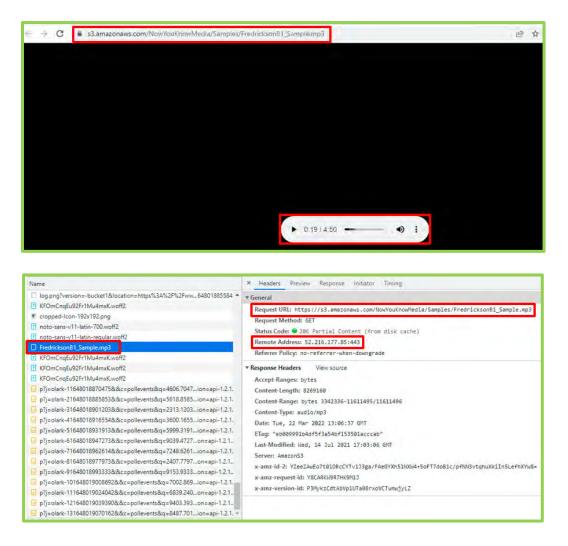
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143. The L25 Application system comprises an owner of the node server being offered an incentive as compensation for transmission of the specified content to the client. For example, the use of third-party servers by the L25 Application for the distribution of content to the user's device necessitates at least payment of monetary compensation for said hosting, including on a transactional basis or lump payment for set data limit basis, or as otherwise stated in the agreement between CSI and any third-party whose server is used by the L25 Application.

144.CSI has directly infringed, and continues to directly infringe, the claims of the '376 Patent, including at least those noted above, including by making and using the L25 Application system in violation of 35 U.S.C. § 271(a). Further, including at least to the extent CSI provides and/or supplies software running on a user's computer, the direct infringement of users that occurs

in connection with CSI's applications and/or web services occurs under the direction or control of CSI.

145.Defendant has had at least constructive notice of the '376 Patent since at least its issuance. Defendant will have been on actual notice of the '376 Patent since, at the latest, the service of this Complaint. Further, Defendant is being made aware of infringement of the '376 Patent through use of the L25 Application system at least via the infringement allegations set forth herein. Such direct infringement has been and remains clear, unmistakable, and inexcusable. On information and belief, Defendant knew, or should have known, of the clear, unmistakable, and inexcusable direct infringing conduct at least since receiving notice of the '376 Patent. Thus, on information and belief, Defendant has, at least since receiving notice of the '376 Patent, specifically intended to directly infringe.

146.QTI believes and contends that, at a minimum, CSI's knowing and intentional post-suit continuance of its unjustified, clear, and inexcusable infringement of the '376 Patent since receiving notice of its infringement of the '376 Patent, is necessarily willful, wanton, malicious, in bad-faith, deliberate, conscious and wrongful, and it constitutes egregious conduct worthy of a finding of willful infringement. Accordingly, at least since receiving notice of this suit, CSI has willfully infringed the '376 Patent.

C. Infringement Via ODU Application

147.Further, additionally and/or in the alternative, CSI has infringed, and is now infringing, the '376 Patent, including at least claims 37 and 57, in this judicial district and elsewhere, in violation of 35 U.S.C. § 271 through actions comprising the practicing, without authority from Plaintiff, systems and methods for obtaining and aggregating contact information from a plurality of messaging services providers via CSI's ODU Application system, including as claimed in the '376 asserted claims. On information and belief, CSI practices the claimed methods and provides

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the claimed systems with and via its ODU Application system comprising the ODU website at www.onedayu.com.

148. Without limitation, the accused system comprising the ODU Application system that comprises a computer readable medium or media encoded with one or more computer programs including instructions for effecting the provision of content over a network, comprising: instructions for receiving a request from a client for specified content; instructions for communicating to the client the identity of a node server having the specified content stored thereon, thereby enabling the client to request transmission of the specified content from the node server; and instructions for ascertaining that the node server transmitted the specified content to the client, wherein an owner of the node server is offered an incentive as compensation for transmission of the specified content to the client.

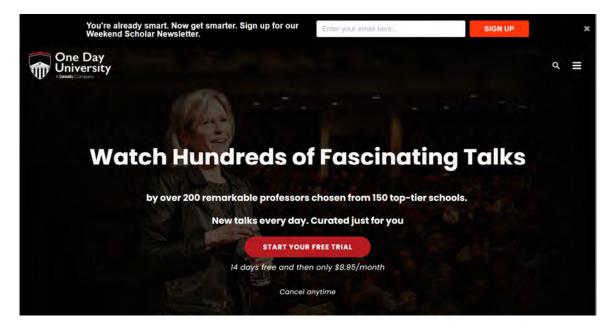
149. Without limitation, and for example, the accused instrumentality comprising the ODU Application system practices said methods to effect the provision of content over a network, comprising the steps of: identifying at a core server a network site that will act as a node server for distribution of specified content; providing from the core server the specified content to the node server; receiving at the core server a request from a client for the specified content; communicating from the core server the identity of the node server to the client to enable the client to request transmission of the specified content from the node server; and ascertaining at the core server that the node server transmitted the specified content to the client, wherein an owner of the node server is offered an incentive as compensation for transmission of the specified content to the client.

150.Further, the ODU Application system comprises computer readable storage media and methods which permit CSI's server to identify a remote server to which the ODU Application system provides specified content such that a client may request specified content from CSI's server, which directs the client to the node server containing the specified content so that the client

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may obtain the specified content from the node server, wherein CSI's server is notified by the node server that the content has been transferred and the owner of the node server is offered an incentive as compensation for the transmission thereof.

151.For example, the ODU Application system permits the streaming of media content over a network from third-party servers to a user's device, wherein said streaming occurs, *inter alia*, via CSI's servers providing the identity of a third-party server to the user's device, in response to the user's request to view media content provided by CSI, wherein the server identified is one which contains the content requested:



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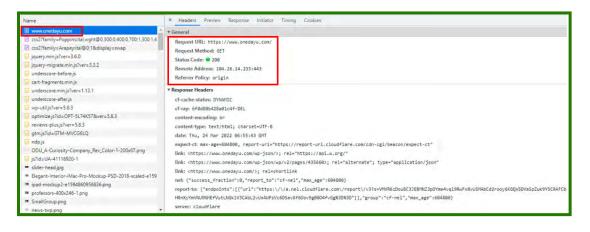
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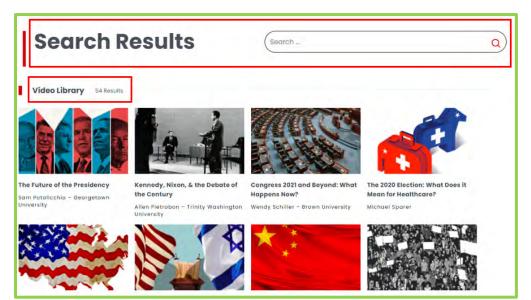


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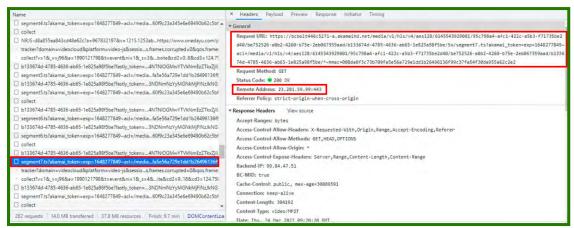
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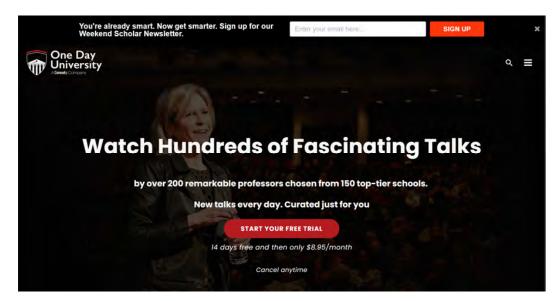
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152. The ODU Application system comprises instructions for receiving a request from a client for specified content. For example, the ODU Application provides the user's device with code which permits the user's browser to, *inter alia*, display the CSI website, browse the content available for streaming, and select specific content to view, wherein CSI's servers receive and interpret code from the user's device indicating the content the user has chosen to view:





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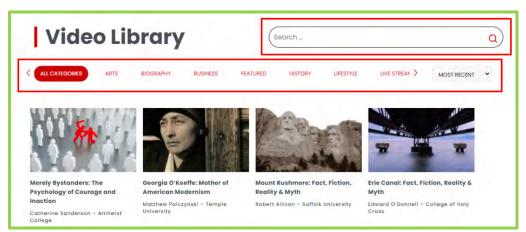


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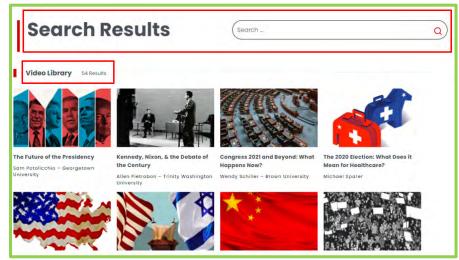
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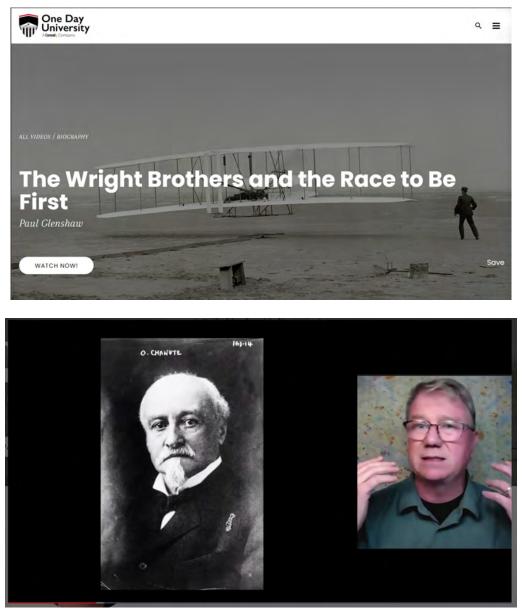
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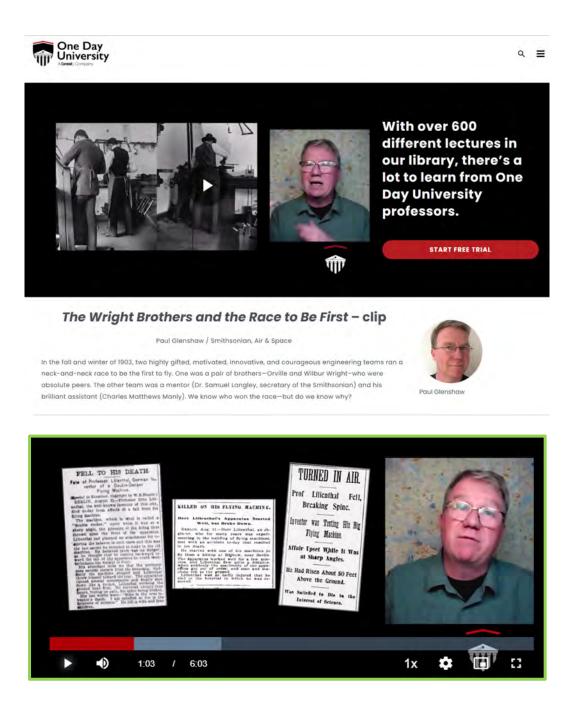


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	626 18.704354	192.168.0.1	192.168.0.103	DNS	123 Standard query response 0xdb23 A www.onedayu.com A 104.26.14.233 A 172.67.69.194 A 104.26.15.
	627 18.705654	192.168.0.103	104.26.14.233	TCP	66 61298 + 443 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK PERM=1
	628 18.708589	192.168.0.1	192,168.0.103	DNS	123 Standard query response 0xdb23 A www.onedayu.com A 104.26.15.233 A 172.67.69.194 A 104.26.14.2
	629 18.743118	142.250.194.4	192.168.0.103	QUIC	68 Protected Payload (KP0)
	630 18.758955	142.258.194.4	192.168.0.103	QUIC	68 Protected Payload (KPO)
	631 18.765826	104.26.14.233	192.168.0.103	TCP	66 443 - 61298 [SYN, ACK] Seq=0 Ack=1 Min=65535 Len=0 MSS=1400 SACK_PERM=1 WS=1024
	632 18.765986	192.168.0.103	104.26.14.233	TCP	54 61298 + 443 [ACK] Seq=1 Ack=1 Win=131584 Len=0
	633 18.766698	192.168.0.103	104.26.14.233	TLSv1.3	606 Client Hello
	634 18.829088	104.26.14.233	192.168.0.103	TCP	60 443 → 61298 [ACK] Seq=1 Ack=553 Win=68608 Len=0
	635 18.832335	104.26.14.233	192,168.0.103	TLSv1.3	266 Server Hello, Change Cipher Spec, Application Data
	636 18.833167	192.168.0.103	104.26.14.233	TLSv1.3	118 Change Cipher Spec, Application Data
	637 18.833709	192,168,0,103	104.26.14.233	TLSv1.3	146 Application Data
	638 18.834561	192.168.0.103	104.26.14.233	TCP	1454 61298 + 443 [ACK] Seq=709 Ack=213 Win=131328 Len=1400 [TCP segment of a reassembled PDU]
	639 18.834561	192.168.0.103	104.26.14.233	TLSv1.3	271 Application Data
	640 18.857673	130.211.141.45	192.168.0.103	TCP	54 443 → 61285 [RST] Seq=1 Win=0 Len=0
	641 18.861159	130.211.141.45	192.168.0.103	TCP	54 443 + 61283 [RST] Seq=1 Win=0 Len=0
	642 18.889872	104.26.14.233	192.168.0.103	TCP	60 443 → 61298 [ACK] Seq=213 Ack=709 Win=68608 Len=0
	643 18.892409	104.26.14.233	192.168.0.103		60 [TCP Previous segment not captured] 443 + 61298 [ACK] Seg=734 Ack=2326 Win=74752 Len=8

No.	Tin	me	Source	Destination	Protocol	Length Info
	6143 73	3.093260	192.168.0.1	192.168.0.103	DNS	207 Standard guery response 0xc073 A bcbolt446c5271-a.akamaihd.net CNAME_bcbolt446c5271-a.akamaihd.net.edgesuit
	6144 73	5.093902	192.168.0.103	23,201,59,99	TCP	66 61607 - 443 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1
		3.122301	23.201.59.99	192.168.0.103	TCP	66 443 → 61607 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1460 SACK_PERM=1 WS=128
	6146 73	3.122398	192.168.0.103	23.201.59.99	TCP	54 61607 → 443 [ACK] Seq=1 Ack=1 Win=131328 Len=0
1		3.122688	192.168.0.103	23.201.59.99	TLSv1.2	
1		3.137612	23,201,59,99	192.168.0.103	TCP	60 443 → 61607 [ACK] Seq=1 Ack=518 Win=30336 Len=0
	6149 73	3.172460	23.201.59.99	192.168.0.103		1514 [TCP Previous segment not captured], Ignored Unknown Record
		3.172509	192.168.0.103	23.201.59.99	TCP	66 [TCP Dup ACK 6146#1] 61607 + 443 [ACK] Seq=518 Ack=1 Win=131328 Len=0 SLE=1461 SRE=2921
		3.175067	23,201,59,99	192.168.0.103	TLSv1,2	637 Ignored Unknown Record
		0.175067	23.201.59.99	192.168.0.103	TCP	1514 [TCP Out-Of-Order] 443 → 61607 [ACK] Seq=1 Ack+518 Win+30336 Len=1460
	6153 73	3.175108	192.168.0.103	23.201.59.99	TCP	66 [TCP Dup ACK 6146#2] 61607 + 443 [ACK] Seq=518 Ack=1 Win=131328 Len=0 SLE=1461 SRE=3504
		3.175155	192.168.0.103	23.201.59.99	TCP	54 61607 → 443 [ACK] Seq=518 Ack=3504 Win=131328 Len=0
		3.178657	192.168.0.103	23.201.59,99	TLSv1.2	180 Client Key Exchange, Change Cipher Spec, Encrypted Handshake Message
	6156 73	3.178955	192.168.0.103	23.201.59.99	TLSv1.2	1058 Application Data
		3.194153	23.201.59.99	192.168.0.103	TLSv1.2	328 New Session Ticket, Change Cipher Spec, Encrypted Handshake Message
		3.195329	23,201.59.99	192.168.0.103	TCP	60 443 → 61607 [ACK] Seq=3504 Ack=1648 Win=32384 Len=0
		3.195329	23.201.59.99	192.168.0.103	TCP	1514 443 + 61607 [ACK] Seq=3778 Ack=1648 Win=32384 Len=1460 [TCP segment of a reassembled PDU]
		3.195368	192.168.0.103	23.201.59.99	TCP	54 61607 → 443 [ACK] Seq=1648 Ack=3778 Win=131072 Len=0
	6161 73	3.195433	192.168.0.103	23.201.59.99	TCP	54 61607 → 443 [ACK] Seq=1648 Ack=5238 Win=131328 Len=0
		3.196141	23.201.59.99	192.168.0.103		1514 [TCP Previous segment not captured] 443 - 61607 [ACK] Seq=6698 Ack=1648 Win=32384 Len=1468 [TCP segment of
		3.196177	192.168.0.103	23.201.59.99		66 [TCP Dup ACK 6161#1] 61607 + 443 [ACK] Seq=1648 Ack=5238 Win=131328 Len=0 SLE=6698 SRE=8158
	6164 73	3.197195	23,201.59.99	192.168.0.103		1514 [TCP Previous segment not captured] 443 - 61607 [ACK] Seq=11078 Ack=1648 Win=32384 Len=1460 [TCP segment of
		3.197209	192.168.0.103	23,201,59,99		74 [TCP Dup ACK 6161#2] 61607 → 443 [ACK] Seq=1648 Ack=5238 Win=131328 Len=0 SLE=11078 SRE=12538 SLE=6698 SRE=
		3.197469	23,201,59,99	192.168.0.103	TCP	1514 [TCP Fast Retransmission] 443 → 61607 [ACK] Seq=5238 Ack=1648 Win=32384 Len=1460 [TCP segment of a reassemt
-		3.197495	192.168.0.103	23.201.59.99	TCP	66 61607 → 443 [ACK] Seq=1648 Ack=8158 Win=131328 Len=0 SLE=11078 SRE=12538
		3.198102	23.201.59.99	192,168.0.103		1514 [TCP Previous segment not captured] 443 = 61607 [ACK] Seq=13998 Ack=1648 Win=32384 Len=1460 [TCP segment of
	6169 73	3,198118	192.168.0.103			74 [TCP Dup ACK 6167#1] 61607 + 443 [ACK] Seq=1648 Ack=8158 Win=131328 Len=0 SLE=13998 SRE=15458 SLE=11078 SRE
		3.198388	23.201.59.99	192.168.0.103	TCP	1514 [TCP Out-Of-Order] 443 - 61607 [ACK] Seq=8158 Ack=1648 Win=32384 Len=1460 [TCP segment of a reassembled PDU
1		3.198435	192.168.0.103	23.201.59.99	TCP	74 61607 + 443 [ACK] Seq=1648 Ack=9618 Win=131328 Len=0 SLE=13998 SRE=15458 SLE=11078 SRE=12538
		3.200534	23,201,59,99	192,168.0,103		1514 [TCP Out-Of-Order] 443 - 61607 [ACK] Seq=9618 Ack=1648 Win=32384 Len=1468 [TCP segment of a reassembled PDU
		3.200534	23.201.59.99	192.168.0.103		1514 [TCP Previous segment not captured] 443 → 61607 [ACK] Seq=16918 Ack=1648 Win=32384 Len=1460 [TCP segment of

D.	Time	Source	Destination	Protocol Length Info
	1955 5.714034	192.168.0.103	199.232.254.27	TL5v1.2 288 Application Data
E	1956 5.714782	192.168.0.103	23.201.59.64	TCP 66 62712 + 443 [SYN] Seg=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1
	1957 5.734839	23.201.59.64	192.168.0.103	TCP 66 443 + 62712 [SYN, ACK] Seq=8 Ack=1 Win+29208 Len=0 MSS=1460 SACK_PERM=1 WS=128
	1958 5.734944	192.168.0.103	23.201.59.64	TCP 54 62712 + 443 [ACK] Seq=1 Ack=1 Win=131328 Len=0
L	1959 5.735443	192.168.0.103	23.201.59.64	TLSv1.2 589 Client Hello
	1960 5.743941	199.232.254.27	192.168.0.103	TCP 60 443 + 62577 [ACK] Seq=18704 Ack=344 Win=303 Len=0
	1961 5.754049	23.201.59.64	192.168.0.103	TCP 60 443 + 62712 [ACK] Seq=1 Ack=536 Win=30336 Len=0
	1962 5.754049	23.201.59.64	192.168.0.103	TLSv1.2 206 Server Hello, Change Cipher Spec, Encrypted Handshake Message
1	1963 5.754397	192.168.0.103	23.201.59.64	TLSv1.2 105 Change Cipher Spec, Encrypted Handshake Message
1	1964 5.754912	192.168.0.103	23.201.59.64	TLSv1.2 1072 Application Data
	1965 5.772292	23.201.59.64	192,168.0.103	TCP 60 443 + 62712 [ACK] Seq=153 Ack=1605 Win=32384 Len=0
	1966 5.786027	199.232.254.27	192.168.0.103	TCP 60 443 + 62577 [ACK] Seq=18704 Ack=598 Win=305 Len=0
	1967 5.786027	199.232.254.27	192.168.0.103	TCP 60 443 → 62577 [ACK] Seq=18704 Ack=832 Win=307 Len=0
	1968 5.842923	192.168.0.103	52,224.31.34	TLSv1.2 126 Application Data
	1969 5.843142	192.168.0.103	52.224.31.34	TLSv1.2 100 Application Data
	1970 5.843330	192.168.0.103	52.224.31.34	TLSv1.2 1089 Application Data
	1971 5.968922	17.253.87.206	192.168.0.103	TCP 54 443 + 62572 [FIN, ACK] Seq=1 Ack=1 Win=251 Len=0
	1972 5.968986	192.168.0.103	17.253.87.206	TCP 54 62572 + 443 [ACK] Seq=1 Ack=4294967273 Win=509 Len=0
	1973 5.970001	17.253.87.206	192.168.0.103	TCP 78 [TCP Out-Of-Order] 443 ~ 62572 [PSH, ACK] Seq=4294967273 Ack=1 Win=251 Len=24
	1974 5.970052	192.168.0.103	17.253.87.206	TCP 54 62572 + 443 [ACK] Seq=1 Ack=2 Win=509 Len=0
	1975 5.998156	23.201.59.64	192.168.0.103	TCP 1514 443 → 62712 [ACK] Seq=153 Ack=1605 Win=32384 Len=1460 [TCP segment of a reassembled PDU]
1	1976 5.998156	23,201.59.64	192.168.0.103	TCP 1514 [TCP Previous segment not captured] 443 + 62712 [ACK] Seq=3451 Ack=1605 Win=32384 Len=1460 [TCP segment o
	1977 5.998219	192.168.0.103	23.201.59.64	TCP 66 62712 + 443 [ACK] Seq=1605 Ack=1613 Win=131328 Len=0 SLE=3451 SRE=4911
	1978 5.998915	23.201.59.64	192.168.0.103	TCP 1514 [TCP Previous segment not captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq=6371 Ack=1605 [ACK] Seq=63
	1979 5.998961	192.168.0.103	23,201,59.64	TCP 74 [TCP Dup ACK 1977#1] 62712 + 443 [ACK] Seq=1605 Ack=1613 Win=131328 Len=0 5LE=6371 SRE=7831 SLE=3451 SRE=
	1980 5.999176	23.201.59.64	192.168.0.103	TCP 1514 [TCP Previous segment not captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] Seq-9291 Ack=1605 Win=32384 Len=1460 [TCP segment of captured] 443 + 62712 [ACK] 443 + 627
	1981 5.999214	192.168.0.103	23.201.59.64	TCP 82 [TCP Dup ACK 1977#2] 62712 + 443 [ACK] Seq=1605 Ack=1613 Win=131328 Len=0 5LE=9291 SRE=10751 SLE=6371 SRE
	1982 5.999558	23,201.59.64	192,168.0.103	TL5v1.2 432 [TCP Fast Retransmission] , Application Data
	1983 5.999558	23.201.59.64	192.168.0.103	TCP 1514 [TCP Out-Of-Order] 443 + 62712 [ACK] Seq=1991 Ack=1605 Win=32384 Len=1460
Г	1984 5.999587	192.168.0.103	23.201.59.64	TCP 82 62712 + 443 [ACK] Seq=1605 Ack=1991 Win=130816 Len=0 SLE=9291 SRE=10751 SLE=6371 SRE=7831 SLE=3451 SRE=49
	1985 5.999657	192.168.0.103	23.201.59.64	TCP 74 62712 + 443 [ACK] Seq=1605 Ack=4911 Win=131328 Len=0 SLE=9291 SRE=10751 SLE=6371 SRE=7831

153. The ODU Application system comprises instructions for communicating to the client the identity of a node server having the specified content stored thereon. For example, the ODU Application determines whether a third-party server contains the user's chosen content and transmits the identity, *e.g.*, IP address, of the server to the user's device:



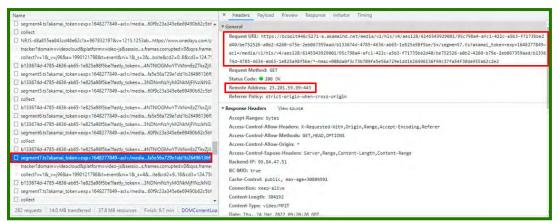
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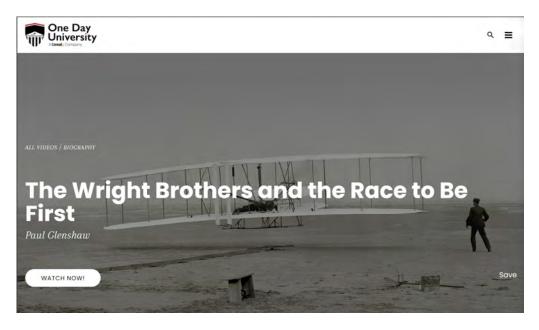
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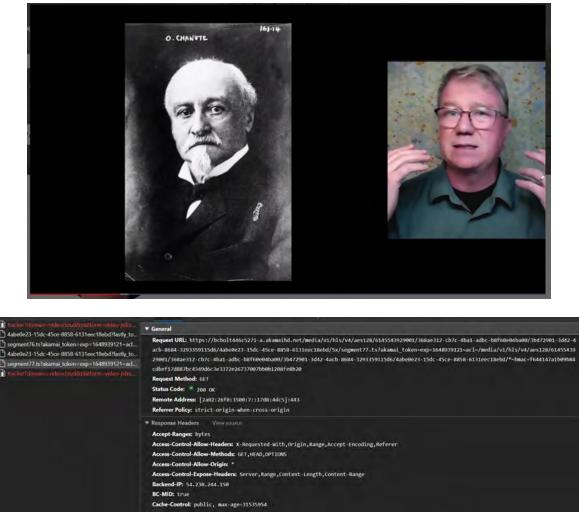
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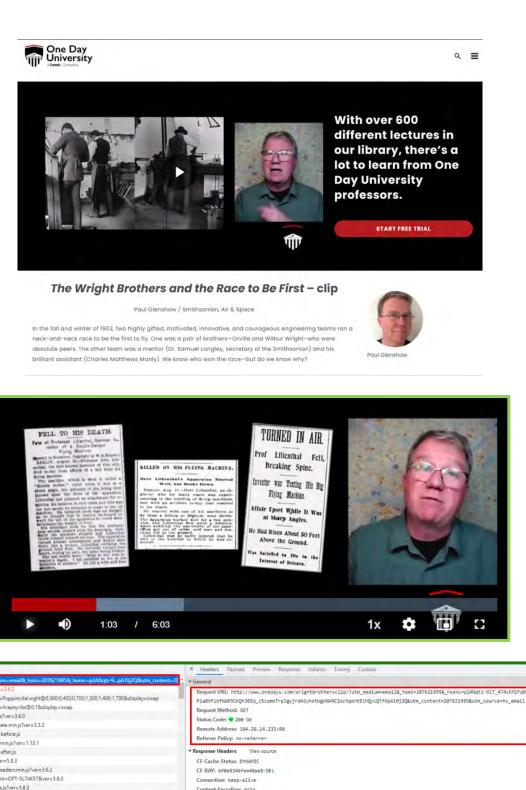
See, e.g., Video Page for "Debate – The Trump Presidency: Total Disaster or Conservative Advancement?" on CuriosityStream One Day University website located at <u>https://www.onedayu.com/product/trump-presidency/</u>



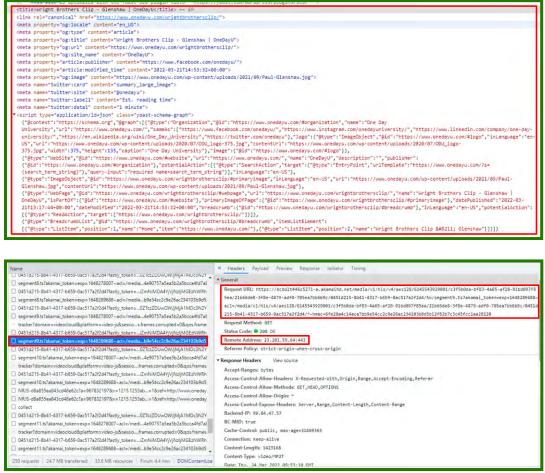


See, e.g., Player Page for "The Wright Brothers and the Race to Be First" on CuriosityStream One Day University website located at <u>https://www.onedayu.com/videos/the-wright-brothers-the-real-story-of-the-first-flight/</u>

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See, e.g., Player Page for "The Wright Brothers and the Race to Be First – clip" on CuriosityStream One Day University website located at <u>http://www.onedayu.com/wrightbrothersclip/</u>

154. The ODU Application system enables the client to request transmission of the specified content from the node server. For example, the ODU Application instructs and/or controls the user's browser on the user's device running code to connect to the identified third-party server, including via the server's IP address, where the user's device then requests the chosen content be transmitted:

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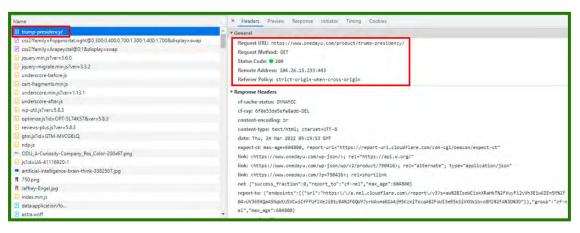
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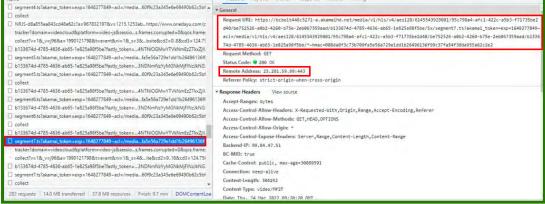
Debate – The Trump Presidency: Total Disaster or Conservative Advancement?

DEBATE - THE TRUMP PRESIDENCY: TOTAL DISASTER OR CONSERVATIVE ADVANCEMENT? PREMIUM PROGRAM | \$0.00

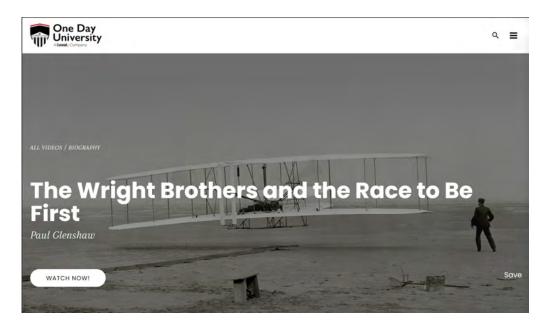


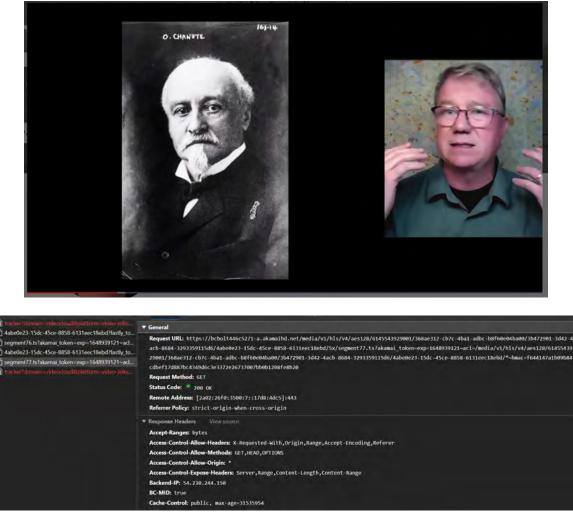






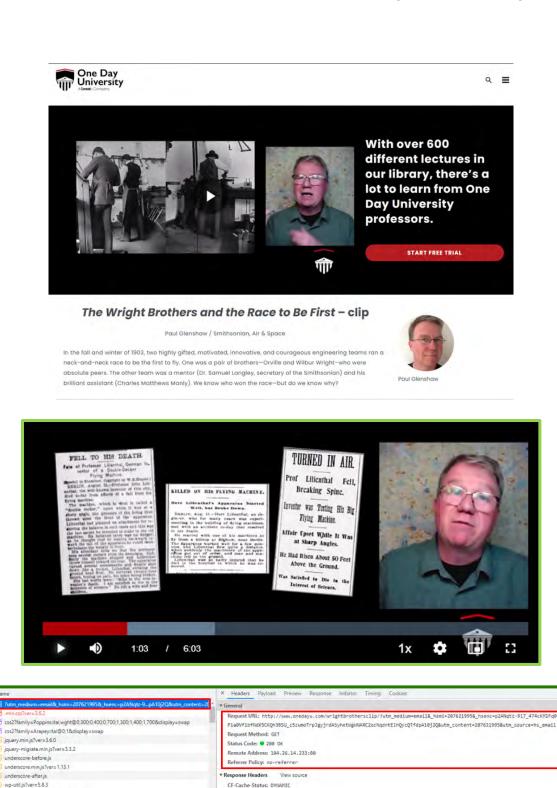






See, e.g., Player Page for "The Wright Brothers and the Race to Be First" on CuriosityStream One Day University website located at <u>https://www.onedayu.com/videos/the-wright-brothers-the-real-story-of-the-first-flight/</u>

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Paul-Glenshaw-150x150.jpg

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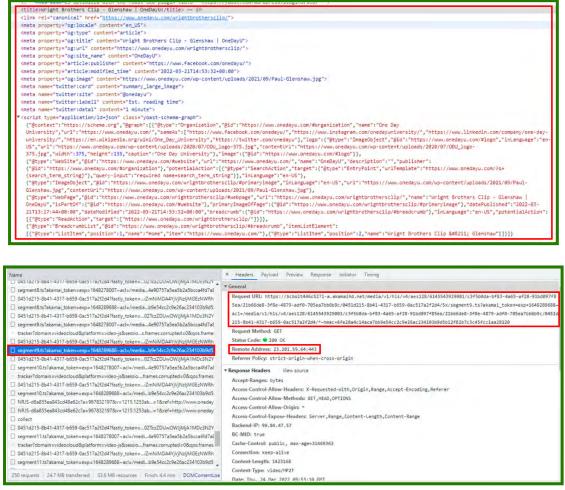
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20301085.j



See, e.g., Player Page for "The Wright Brothers and the Race to Be First – clip" on CuriosityStream One Day University website located at http://www.onedayu.com/wrightbrothersclip/

155. The ODU Application system comprises instructions for ascertaining that the node server transmitted the specified content to the client. For example, the ODU Application receives updates from the user's device and/or the third-party server indicating that all, or a part, of the content has been transferred to the user's device, which may occur in smaller pieces or "chunks," and the ODU Application updates the CSI webpage for the user to indicate that at least a portion of the content has already been viewed:

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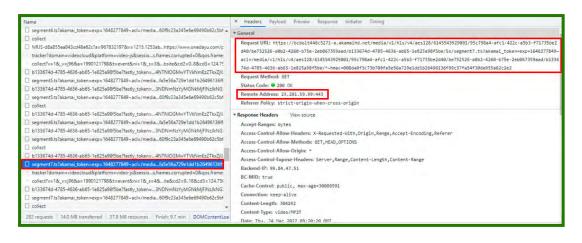


DEBATE - THE TRUMP PRESIDENCY: TOTAL DISASTER OR CONSERVATIVE ADVANCEMENT?

PREMIUM PROGRAM | \$0.00

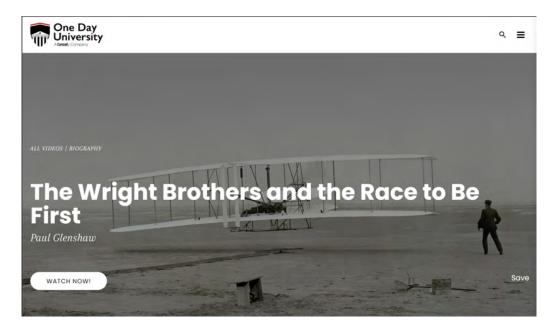
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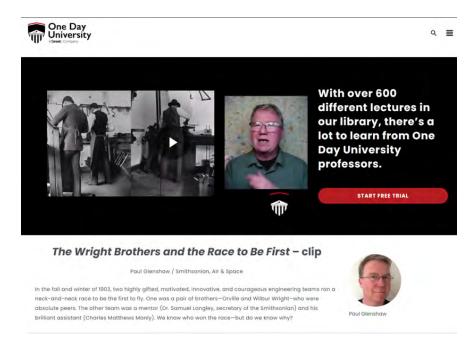


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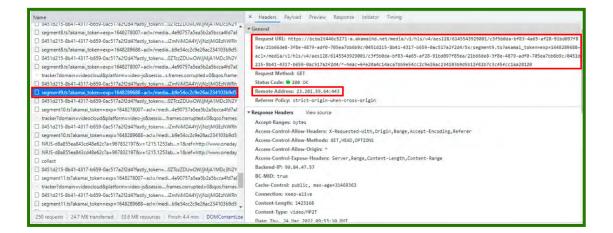


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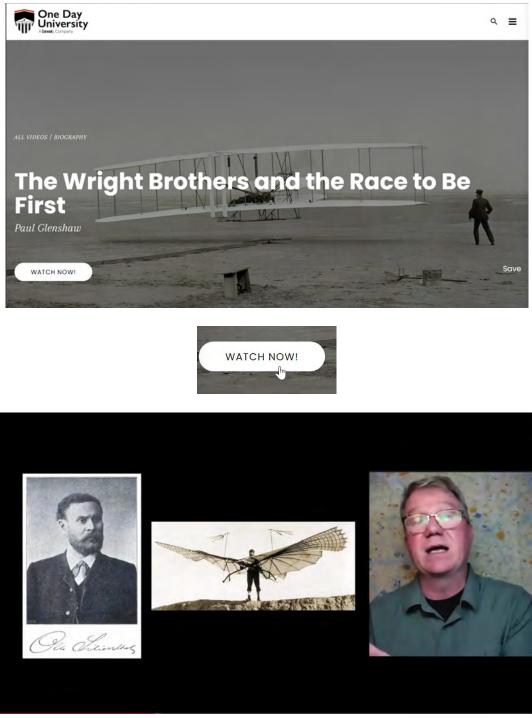




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156. The ODU Application system comprises an owner of the node server being offered an incentive as compensation for transmission of the specified content to the client. For example, the use of third-party servers by the ODU Application for the distribution of content to the user's

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device necessitates at least payment of monetary compensation for said hosting, including on a transactional basis or lump payment for set data limit basis, or as otherwise stated in the agreement between CSI and any third-party whose server is used by the ODU Application.

157.CSI has directly infringed, and continues to directly infringe, the claims of the '376 Patent, including at least those noted above, including by making and using the ODU Application system in violation of 35 U.S.C. § 271(a). Further, including at least to the extent CSI provides and/or supplies software running on a user's computer, the direct infringement of users that occurs in connection with CSI's applications and/or web services occurs under the direction or control of CSI.

158.CSI has had at least constructive notice of the '376 Patent since at least its issuance. CSI will have been on actual notice of the '376 Patent since, at the latest, the service of this Complaint. Further, CSI is being made aware of infringement of the '376 Patent through use of the ODU Application system at least via the infringement allegations set forth herein. Such direct infringement has been and remains clear, unmistakable, and inexcusable. On information and belief, CSI knew, or should have known, of the clear, unmistakable, and inexcusable direct infringing conduct at least since receiving notice of the '376 Patent. Thus, on information and belief, CSI has, at least since receiving notice of the '376 Patent, specifically intended to directly infringe.

159.QTI believes and contends that, at a minimum, CSI's knowing and intentional post-suit continuance of its unjustified, clear, and inexcusable infringement of the '376 Patent since receiving notice of its infringement of the '376 Patent, is necessarily willful, wanton, malicious, in bad-faith, deliberate, conscious and wrongful, and it constitutes egregious conduct worthy of a finding of willful infringement. Accordingly, at least since receiving notice of this suit, CSI has willfully infringed the '376 Patent.

REMEDY AND DAMAGES

160.Plaintiff refers to and incorporates the allegations in the above paragraphs as if set forth fully herein.

161.CSI's infringement of Plaintiff's rights under the Patent-in-Suit will continue to damage Plaintiff, causing irreparable harm for which there is no adequate remedy at law, unless enjoined by this Court, including under 35 U.S.C. § 283.

162.By way of its infringing activities, CSI has caused, and continues to cause, Plaintiff to suffer damages, and Plaintiff is entitled to recover from CSI the damages sustained by Plaintiff as a result of CSI's wrongful acts in an amount subject to proof at trial, which, by law, cannot be less than a reasonable royalty, together with interest and costs as fixed by this Court, including under 35 U.S.C. § 284.

163.Plaintiff also requests that this Court make a finding that this is an exceptional case entitling Plaintiff to recover its attorneys' fees and costs, including pursuant to 35 U.S.C. § 285.

DEMAND FOR JURY TRIAL

164.Pursuant to Rule 38 of the FEDERAL RULES OF CIVIL PROCEDURE, Plaintiff hereby respectfully requests a trial by jury of any issues so triable by right.

PRAYER FOR RELIEF

WHEREFORE, QTI hereby respectfully requests that this Court enter judgment in favor of QTI and against CSI, and that the Court grant QTI the following relief:

- A. That this Court enter Judgment including an adjudication that one or more claims of the Patent-in-Suit has been directly and/or indirectly infringed by CSI, including pursuant to 35 U.S.C. § 281;
- B. That this Court enter Judgment including a grant of a preliminary and permanent injunction, including pursuant to 35 U.S.C. § 283, enjoining CSI and all persons,

including its officers, directors, agents, servants, affiliates, employees, divisions, branches, subsidiaries, parents, and all others acting in active concert or participation therewith, from making, using, offering to sell, and/or selling in the United States and/or importing into the United States any apparatuses, methods, systems, and/or computer readable media that directly and/or indirectly infringe any claim of the Patent-in-Suit, and/or any apparatuses, methods, systems, and/or computer readable media that colorably different;

- C. That this Court enter Judgment including an award to Plaintiff of damages, including pursuant to 35 U.S.C. § 284, adequate to compensate Plaintiff for CSI's past infringement, together with pre-judgment and post-judgment interest, and any continuing and/or future infringement through the date such Judgment is entered, including all applicable, legally allowable, interest, costs, expenses, and an accounting of all infringing acts, including, but not limited to, those acts not presented at trial;
- D. That this Court enter Judgment including a declaration that CSI's post-notice infringement has been, and continues to be, willful, including that CSI acted to infringe the Patent-in-Suit despite an objectively high likelihood that its actions constituted infringement of a valid patent and, accordingly, award enhanced damages, including treble damages, including pursuant to 35 U.S.C. §§ 284 & 285;
- E. That this Court enter Judgment including a declaration that this case is an exceptional case and award Plaintiff reasonable attorneys' fees and costs, including in pursuant to 35 U.S.C. § 285; and
- F. Any and all such other and further relief to which Plaintiff may be shown justly entitled that this Court deems just and proper.

Dated: April 29, 2022

Respectfully submitted,

/s/ John C. Phillips, Jr.

John C. Phillips, Jr. (#110) David A. Bilson (#4986) 1200 North Broom Street PHILLIPS, MCLAUGHLIN & HALL, P.A. Wilmington, Delaware 19806 (302) 655-4200 jcp@pmhdelaw.com dab@pmhdelaw.com

Of Counsel: Shea N. Palavan PALAVAN & MOORE, PLLC 5353 West Alabama Street, Suite 303 Houston, Texas 77056 Telephone: (832) 303-0704 Facsimile: (855) PALAVAN (725-2826) shea@houstonip.com

Attorneys for Plaintiff, QTI Technology Private Limited